

Nucleic Acids Abstracts

QP
551
N82
v. 8
NYC

PAMPHLET BOX

Author and Subject

INDEXES

Volume 8 1978

U. I. C. C.

JAN 24 1980

LIBRARY

48-1041

an Information Retrieval publication

Nucleic Acids Abstracts

Annual Author and Subject

INDEXES

Volume 8 1978

Editor Angela Pritchard

Assistant editor Eva Bournemann

Author Index pages 1-47

Subject Index pages 48-251



N 0048-1041

Compiled by
Information Retrieval
London & Washington DC

IRL publications

Abstracts journals

Amino-acid Peptide & Protein Abstracts
Animal Behaviour Abstracts
Applied Ecology Abstracts
Aquatic Sciences & Fisheries Abstracts
Part 1 - Biological sciences and living resources
Part 2 - Ocean technology, policy and non-living resources
Biological Membrane Abstracts
Calcified Tissue Abstracts
Chemoreception Abstracts
Entomology Abstracts
Feeding, Weight & Obesity Abstracts
Genetics Abstracts
Immunology Abstracts
Microbiology Abstracts
 Industrial & applied microbiology
 Bacteriology
 Algology, mycology & protozoology
Nucleic Acids Abstracts
Oncology Abstracts
Toxicology Abstracts
Virology Abstracts

Bibliographies

A Collection of Published tRNA 5S and 5.8S rRNA Sequences
Obesity 1964-1973
Bibliography on Mycoplasma
Time - A Bibliography
Rapid Methods & Automation in Microbiology & Immunology - A Bibliography
Solar Energy Applications for the Home

© 1979 Information Retrieval Limited
All rights reserved by the publisher. No part of this publication may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system, without permission in writing from the publisher.

A list of source periodicals used in the preparation of these abstracting services is available free of charge on request.

Periodicals

Chemical Senses & Flavour
Nucleic Acids Research
Journal of Plankton Research

Books

Symposium proceedings

Structure-Activity Relationships in Chemoreception
Third Symposium on the Chemistry of Nucleic Acids Components
Fifth Symposium on Nucleic Acids Chemistry
Sixth Symposium on Nucleic Acids Chemistry
Biological Separations in Iodinated Density-Gradient Media
Centrifugation: A Practical Approach
Immunologic Aspects of Dental Caries
Microbial Aspects of Dental Caries
Phosphorylated Proteins and Related Enzymes
Olfaction & Taste VI
Methods of Caries Prediction
Sweeteners and Dental Caries
Mechanisms of Localised Bone Loss

Preface

These indexes are cumulations of the monthly indexes from the 1978 volume of *Nucleic Acids Abstracts*.

The **Subject Index** is compiled in the following way. For each document the indexer selects indexing terms from fixed lists of keywords which are continually updated. From these selected terms word chains are constructed, the word order being determined by the indexer. It is these word chains which make up the **Subject Index** entries.

The index terms used to create the **Subject Indexes** plus additional terms selected by the indexer to further describe and define the document are also present as a search tool in the IRL database.

The following conventions apply to all terms used in the **Subject Index**:

- 1) All derivatives of purines, pyrimidines, nucleosides and nucleotides are listed under the parent compound e.g. 5-fluorouracil = uracil (5-fluoro).
 - 2) Enzyme names follow the 1972 recommendations of the IUPAC and IUB.
 - 3) Latin binomials are used for all taxonomic terms except domestic animals, livestock and pets.
-

Author Index

- Aaltonen, L. 3568.
 Aaronson, S.A. 6149, 1911.
 3241, 5276, 5924.
 Abalakina, E.G. 5001.
 Abbas, Z. 836.
 Abbasi, M.M. 4137.
 Abbaszadeh, M. 2470.
 Abbot, J. 5414.
 Abbott, G.F. 3272.
 Abbott, P.J. 4169.
 Abdel Monem, M. 1226, 1227.
 Abdul Baki, A.A. 3227.
 Abdurashidova, G.G. 221.
 Abe, H. 5431.
 Abe, M. 482.
 Abel, H. 1605.
 Abelson, J. 2562, 2795, 4195, 5563.
 Abercrombie, B.D. 4089.
 Aboobaker, V.S. 4743.
 Aboud, M. 3477, 4867.
 AbouHaidar, M. 5693.
 Abraham, A.D. 1003.
 Abraham, A.K. 228, 2273, 3750.
 Abraham, G. 3440.
 Abraham, K.A. 3785.
 Abraham, N.Z. 3799.
 Abramczuk, J. 1083.
 Abramov, I. 3257.
 Abrams, W.R. 2232.
 Abrosimova-Amelyanchik, N.M. 1676, 2434.
 Absolom, D. 2488, 2496.
 Accomando, R. 559, 3624.
 Achari, A. 154.
 Achtman, M. 5168, 5894.
 Acken, U.V., 4591.
 Ackermann, T. 169.
 Adachi, T. 3714.
 Adamiak, R.W. 702, 3722, 4167.
 Adamietz, P. 4179.
 Adams, A. 345, 5016.
 Adams, H.W. 2373.
 Adams, J.M. 555, 1937.
 Adams, M.L. 3165.
 Adams, R.E. 220.
 Adams, R.L.P. 4578.
 Adelberg, E.A. 1.
 Adelstein, S.J. 5518, 5520, 6274.
 Adiga, P.R. 3834, 4314.
 Adler, S.W. 1446.
 Adler, V.V. 3428.
 Admiraal, G. 111.
 Adolf, G.R. 3748.
 Adolph, K.W. 1220.
 Adolphe, M. 6059.
 Aebersold, P.M. 6043.
 Affara, N.A. 271, 2632.
 Afra, D. 362.
 Afrikyan, E.G. 2370.
 Afting, E.-G. 5813.
 Agabalian, A.S. 3153.
 Agache, P. 5926.
 Agafonova, L.V. 292.
 Agalarova, M.B. 2572.
 Agarwal, K.C. 2108.
 Agarwal, K.L. 5540.
 Agarwal, R.P. 2108.
 Agarwal, S.S. 2023, 2512, 3962, 6046.
 Aggarwal, S.K. 2674.
 Agol, V.I. 798, 3387, 4363, 4914, 6307.
 Agrawal, K.C. 5291.
 Agnis, P.F. 175.
 Ahlers, I. 464.
 Ahmad, M. 5159.
 Ahmad, N.S. 2317.
 Ahmed, F.E. 2041.
 Aiba, K. 5428.
 Aiello, L.O. 3434.
 Aizawa, S. 4510.
 Aizenberg, O.A. 2067, 4504.
 Ajtkhozhin, M.A. 5718, 144, 4239.
 Akaboshi, M. 2315.
 Akagi, K. 2454, 2815, 6141.
 Akasaka, K. 410, 1853, 2969, 4152.
 Akemine, T. 70.
 Akers, J.E. 3653.
 Akesson, B. 2571.
 Akhrem, A.A. 101.
 Akhundova, A.A. 5724.
 Akhverdyan, V.Z. 744.
 Akil'ev, A.P. 1216, 3552.
 Akimenko, N.M. 419.
 Akino-Sugiyama, T. 329.
 Akiyama, I. 4121.
 Akopian, S.M. 3153.
 Akrigg, A. 4007.
 Aksenov, O.A. 3746.
 Aksenova, N.N. 870.
 Aksyonov, S.I. 3998.
 Aktipis, S. 848, 4979.
 Al-Mudhaffar, S. 4860.
 Al-Mukhtar, J.H. 5465.
 Alabaster, O. 2666.
 Alakhov, Yu.B. 3417, 5610.
 Alarcon-Segovia, D. 2481.
 Albanesi, D. 4550.
 Albani, M. 5562.
 Alberghina, L. 4790.
 Albert, A. 5399.
 Alberts, A.W. 1476, 3110.
 Albertson, D.G. 3942.
 Alberty, H. 4301, 5695.
 Albrecht, J. 163.
 Albrecht, P. 4573.
 Albrechtsen, H. 447.
 Alden, C.J. 912.
 Alekhina, S.K. 3398.
 Aleksandrov, A.A. 1111.
 Aleksandrov, S.V. 3977.
 Alekseeva, I.V. 1826.
 Alexander, H.B. 2091.
 Alexandrov, K. 1505.
 Alexandrova, L. 3756.
 Alexandrova, L.A. 2988.
 Alexandrushkina, N.I. 935, 3171, 5911, 5938.
 Alexeeva, N.Y. 2660.
 Alfino, P. 5689.
 Alford, C.A. 5022.
 Algranati, I.D. 2218.
 Ali, R. 4880.
 Alikhanian, S.I. 1990, 4434, 6100.
 Allan, A.E. 1979.
 Allan, W.H. 1169.
 Allegra, P. 2885.
 Allen, A.E. 3964.
 Allen, J.D. 1151.
 Allen, L.B. 5495, 5515, 5521.
 Allende, C.C. 3002.
 Allende, J.E. 1339, 3002.
 Allenstein, E. 1261.
 Allet, B. 4215.
 Allfrey, V.G. 1191, 2360, 2884, 4068, 5303, 6238, 6255.
 Allison, D.P. 1533, 1570, 5007.
 Allison, W.S. 2937.
 Ally, A.I. 3348.
 Aloni, Y. 256, 291, 3463, 3800.
 Alonso, C. 1551, 2266, 4650, 5352.
 Alov, I.A. 6288.
 Alscher, R. 5651.
 Alt, F.W. 5197.
 Alta, M. 3757.
 Alth, G. 6036.
 Altman, S. 1684, 3373, 4364.
 Altmann, H. 1596, 2326, 2760, 4492.
 Alton, N.K. 4861, 4999.
 Alton, T.H. 748.
 Altruza, F. 770.
 Altstein, A.D. 6207.
 Altwegg, M. 5570.
 Alvarez, J. 1863.
 Alvarez, M.V. 5121.
 Alvord, L.S. 5494.
 Alwine, J.C. 2240.
 Alyokhina, S.K. 4786.
 Alzner-deWeerd, B. 1405, 2612.
 Amabis, J.M. 5760.
 Amaldi, F. 4459.
 Amaldi, P.P. 4353.
 Amalric, F. 3038, 4304.
 Amand, B. 4227, 4228.
 Amann, E. 5789.
 Amano, M. 329.
 Amarnath, V. 147.
 Ambros, V. 5753.
 Ambrosio, L. 3909.
 Amici, D. 862.
 Amils, R. 5625.
 Amlacher, E. 2389.
 Ammann, A.A. 2469.
 Ammann, A.J., Jr. 575.
 Ammermann, D. 5390.
 Ammon, H.L. 544.
 Amons, R. 764, 3396.
 Amos, L.A. 604.
 An, F. 5173.
 An, G. 4725.
 Anachkova, B. 5315, 5335.
 Anagnostakis, S.L. 782.
 Anagnostopoulos, C. 4372.
 Anai, M. 2815.
 Anand, N. 647.
 Ananiev, E.V. 2637, 5060.
 Ancora, G. 754.
 Anderegg, B.N. 1638.
 Anderegg, R. 3679.
 Andersen, H.A. 301, 2019, 4308.
 Andersen, J.A. 5239.
 Andersen, K.-J. 4371.
 Andersen, M.W. 823.
 Andersen, O. 5438.
 Anderson, D.W. 2162.
 Anderson, E.P. 579.
 Anderson, E.S. 2340.
 Anderson, G.C. 4984.
 Anderson, J.D. 1267, 4684.
 Anderson, J.S. 6218.
 Anderson, L.D. 3025.
 Anderson, M.L.M. 2668.
 Anderson, P. 4422.
 Anderson, R.J. 3426.
 Anderson, S. 2017, 2349.
 Anderson, W.F. 526, 5073.
 Andersson-Anvret, M. 885, 3536.
 Andersson, H.C. 6301.
 Andersson, P. 2303.
 Ando, T. 1528, 5130, 6152, 6235.
 Andre, J. 4784.
 Andressen, R. 5990.
 Andree, H. 5188.
 Andreeba, M.V. 5250.
 Andreeff, M. 3425.
 Andreev, A.V. 504.
 Andreeva, E.A. 4931.
 Andreeva, I.V. 1592, 2756.
 Andreeva, N.B. 2487.
 Andrejeva, E.N. 5946.
 Andreoli, P.M. 2999, 3158, 4991, 5000.
 Andres, I. 4425, 5082.
 Andresdottir, V. 5978.
 Andrews, A.D. 1051, 3959.
 Andrews, C. 452.
 Andronico, F. 453, 1788.
 Andrusis, I.L. 4762.
 Andrzuljewska-Golec, E. 3862.
 Andzhaparidze, O.G. 1614, 3365.
 Angarita-Zerda, A. 5692.
 Angarita, A. 2646.
 Angerer, L.M. 3490.
 Anghileri, L.J. 124.
 Anikejcheva, N.V. 6157.
 Anikina, L.A. 5770.
 Anker, P. 463, 511, 1058, 2516.
 Anokhina, G.A. 4778.
 Anon, M.C. 5676, 6048.
 Anthes, M.L. 4902.
 Antokhin, A.I. 1032.
 Antoku, S. 910.
 Antonakis, K. 1285, 5492.
 Antoni, F. 4716.
 Antoniadis, H.N. 4519.
 Antonov, H.V. 6143.
 Antonov, I.V. 3609.
 Antonov, P.P. 4452.
 Antony, A. 3464, 5275.
 Antosz, H. 4161.
 Antov, G. 498.
 Anzai, H. 52, 642.
 Aoki, K. 140, 5402, 5529.
 Apel, K. 4360.

Aphanasenko, G.A. 1675.
 Apirion, D. 1898, 2625, 2810, 3029, 5756.
 Apolonnik, N.V. 3549, 5878
 Appelbaum, E.R. 4983.
 Applebaum, B. 3386.
 Appleby, D.W. 1553, 2426, 3183.
 Aprelikova, O.N. 6223.
 Aprilietti, J.W. 4871.
 Arai, K. 1913, 2230, 3402.
 Arai, N. 2230.
 Arai, T. 5748.
 Aranyi, P. 2104.
 Aravinda Babu, K. 3210.
 Araya, A. 742, 3627.
 Arber, W. 5187, 5364, 5903.
 Arbuzov, V.A. 3839, 4920.
 Arcamone, F. 90.
 Archambault de Vencay, J. 4209.
 Archer, B.G. 255.
 Archer, S.J. 3484.
 Archibold, E.R. 3197, 4942.
 Ardeleanu, A. 5098.
 Arendes, J. 2112, 2936, 4925, 5216.
 Arens, M. 2836, 3231.
 Arentzen, R. 702.
 Arfellini, G. 2177.
 Arfin, S.M. 4762.
 Arfsten, U. 1101, 1895.
 Argetsinger Steitz, J. 774, 796.
 Argyris, T.S. 2220.
 Arida, E.N. 4362.
 Ariga, H. 3911.
 Arima, K. 1695, 2789, 5831, 6161.
 Arion, V.Y. 2660.
 Aristarkhova, V.I. 5938.
 Arkhangel'skaya, E.D. 1264.
 Arkin, S. 5074.
 Arlett, C.F. 1233.
 Arlinghaus, R.B. 3631, 3764, 5790.
 Armbruster, A.M. 648, 4685.
 Armbruster, M.A. 2958.
 Armelin, H.A. 1583.
 Armelin, M.C.S. 1583, 5249.
 Armstrong, D.J. 68, 659.
 Armstrong, D.W. 1324, 2548.
 Armstrong, I.L. 3787.
 Arnal, M. 2579.
 Arnason, U. 1563, 2735.
 Arnaud, M. 6081.
 Arndt-Jovin, D.J. 348.
 Arnold, E. 285.
 Arnold, H. H. 1459, 4355.
 Arnold, W. 5290.
 Arnott, S. 2970.
 Arnstein, H.R.V. 751 3411.
 Aronson, A.I. 819.
 Arrand, J.R. 4547.
 Arrighi, F.E. 619, 1782, 6303.
 Arrigo, A.P. 5759.
 Arsatiang, R.A.. 1490.
 Arscott, P.G. 3786.
 Arsenyan, S.G., 3553.
 Arsenyan, S. 2745.
 Artamonova, O.I. 1676.
 Arthur, R.R. 3180.
 Artur, L. 6005.
 Aruna Kumari, N. 3968.
 Arya, S.K. 160.
 Arya, V.P. 5411.
 Arzee, T. 4346.
 Asahi, K. 1199.
 Asakura, H. 5854.
 Asao, T. 50, 5424.
 Asbrink, L. 2531.
 Aseev, V.V. 2828.
 Ashby, C.D. 4793.
 Ashe, W.D., Jr. 2.
 Asher, Y. 3571.
 Ashikova, Z.K. 5774.
 Ashmarin, I.P. 1203, 2800, 3673.
 Ashton, F.M. 1452.
 Ashton, M. 3286.
 Aslanov, K.A. 221.
 Asmus, K.-D. 4683.
 Aspart, L. 3825, 4347.
 Aspen, A.J. 4206.
 Asselbergs, A.M. 5796.
 Asselin, A. 710, 5696.
 Aswell, J.F. 5507.
 Atabekov, J.G. 2609.
 Atakhanova, B.A. 5624.
 Atger, M. 1960.
 Atherly, A.G. 4876.
 Atikkan, E.E. 1707.
 Atkins, G.J. 3460.
 Atkinson, B.G. 5636.
 Atkinson, M. 3541.
 Atryzek, V. 268.
 Attardi, G. 3038, 3932, 4304, 4341.
 Attolini, C. 4559.
 Au, C. 4237.
 Au, W. 2139.
 Aubry, J. 2141.
 Auer, G. 5820.
 Auge de Mello, P. 1316.
 Augenlicht, L.H. 607.
 Auger-Buendia, M.-A. 4238.
 Auger, L.T. 238.
 August, J.T. 4090.
 Augustyniak, H. 2984.
 Augustyniak, J. 172, 1334, 1873, 4191, 4742.
 Aujame, L. 2992, 3374, 5560.
 Aujard, C. 5492.
 Aukaty, M.F. 143.
 Aull, J.L. 5295.
 Ault, D.A. 5049.
 Aune, K.C. 5618.
 Austin, G.E. 2106.
 Austin, L. 280, 308, 309, 2293.
 Authier-Martin, M. 5466.
 Autrup, H. 906, 4962.
 Auzec, J. 2298.
 Avakian, K.A. 419.
 Avakov, A.E. 3522.
 Avakyan, K.A. 1566.
 Avanzi, S. 3307.
 Avdonina, T. 2745.
 Avdyukova, N.V. 5842.
 Avenirova, E.L. 3295.
 Averbek, D. 4407.
 Averbjanov, A.V. 5763.
 Averyhart, V.M. 4758.
 Avila, J. 4950, 5356, 5362.
 Avilov, I.A. 5937.
 Aviv, H. 3456.
 Avramov, Z.A. 5222.
 Avramova, Z.V. 6145.
 Avtandilov, G.G. 501.
 Awata, S. 328.
 Axel, R. 608, 3550, 3987, 6117.
 Axelrod, D.E. 4948, 5069.
 Ayabe, M. 85, 4132.
 Ayers, D.J. 5890.
 Ayrosa-Galvao, P.A. 5499.
 Ayvazian, J.H. 2425.
 Ayvazian, J.J. 2179.
 Azarian, N.G. 3153.
 Azegami, M. 4529.
 Azhaye, A.V. 3780, 5451, 5546.
 Aziz, S. 4326.
 Azizbekyan, R.R. 3152.
 Azizov, Yu.M. 2051, 5230.
 Azou, Y. 1699.
 Azuma, T. 4112.
 Baas, P.D. 4431.
 Baba, Y. 155.
 Babayev, V.R. 2776.
 Babich, S.G. 3554.
 Babitch, J.A. 2279.
 Bablanian, R. 4773.
 Babushkina, L.M. 925.
 Bach Holm, P. 471.
 Bachelier, L. 1572.
 Bachelierie, J.-P. 1196, 3557.
 Bachmann, K. 3117.
 Bachmann, U. 5135.
 Bachner, L. 3406.
 Bachrach, H.L. 5366.
 Bachur, N.R. 3969.
 Bachvaroff, R.J. 126, 2179, 2425.
 Bachvarova, R. 1365.
 Backer, J.M. 5244.
 Backman, K. 6155.
 Bacsy, E. 1009.
 Baczko, K. 4385.
 Badashkeeva, A. 3619.
 Bader, J.P. 582.
 Badiello, R. 6138.
 Badiкова, A.K. 1445.
 Baer, J. 5480.
 Baev, A.A. 2996, 3238, 3277, 3995.
 Baev, A.S. 930.
 Baeyens, W. 4909.
 Baez, A. 4245.
 Bagdasaryan, S.N. 2370.
 Bagdonas, A.S. 3751.
 Bagewadikar, R.S. 3752.
 Baggett, B. 4511.
 Baglioni, C. 2596, 4545, 4723.
 Bagshaw, J.C. 4009.
 Baguley, B.C. 1312.
 Bahl, C.P. 1811, 4728, 6093.
 Bailey, G.S. 6247.
 Bailey, J.A. 5532.
 Bailey, L.K. 1475.
 Bailey, S.C. 3029.
 Bailone, A. 4535.
 Baird, W.M. 394, 5860.
 Baisch, H. 2390.
 Baisted, D.J. 1740.
 Bajjiva, G.S. 2535.
 Bajkovic Moskov, N. 2636.
 Bak, A.L. 4998, 6286.
 Bakay, B. 3341.
 Baker, B. 2258, 2832.
 Baker, B.M. 4174, 4727.
 Baker, B.R. 4688.
 Baker, D.C. 5526.
 Baker, H.J. 810, 1393.
 Baker, R.T. 5802.
 Bakhanashvili, M. 4867.
 Bakke, A.C.. 2892.
 Bakulin, V.S. 2152.
 Bakuntz, K.A., 3153.
 Balakrishnan, R. 5726.
 Balaram, P. 2439.
 Balatkova, V. 288.
 Balaur, N.S. 3376.
 Balcarova, Z. 3890, 4088, 4955, 4956.
 Balch, W.E. 260.
 Balducci, C. 2995.
 Baldwin, J.J. 5296.
 Baldwin, K.A. 4943.
 Baldwin, R.L. 1795, 2814, 3255, 6144.
 Balhorn, R. 1178.
 Baliga, B.S. 846.
 Balis, M.E. 2114, 6221.
 Ball, L.A. 3486, 3488, 3744.
 Ballal, N.R. 823.
 Ballard, A. 3019.
 Ballario, P. 6175.
 Ballesta, J.P.G. 773, 3769, 4799.
 Ballivet, M. 1800, 6107.
 Balogh, A. 524.
 Baltimore, D. 563, 628, 2303, 3801, 4217, 5753, 6204.
 Bambara, R.A. 5259.
 Bancroft, J.B. 5693.
 Bandopadhyaya, U. 385.
 Bandyopadhyay, A.K. 2101.
 Banerjee, A. 5471.
 Banerjee, A.K. 3795, 3796, 4886.
 Banerjee, M.R. 2289, 2764, 4327, 5746.
 Banerjee, R.K. 1738.
 Banerjee, S. 4966.
 Bank, A. 333, 2245, 3184.
 Banks, F. 4756.
 Bannet, M. 4854.
 Bannikova, G.E. 4158.
 Bar-Shavit, R. 3463, 5980.
 Bar, H. 1507.
 Baralle, F.E. 1415.
 Baranov, Yu.N. 266.
 Baranova, L.A. 2572, 4768.
 Barasoain, I. 2661.
 Barat, M. 2732.
 Baratova, L.A. 143.
 Barbacid, M. 1911, 3241.
 Barbanti-Brodano, G. 3264, 5347.
 Barbarano, L. 861.
 Barber, C. 4306.
 Barbet, J. 3526.
 Barbier, M. 721.
 Barbieri, L. 1889.
 Barbin, A. 1594.

- Barbiroli, B. 1125.
 Barboy, N. 2084.
 Barciszewski, J. 4204.
 Barclay, B.J. 2550.
 Bardos, T.J. 5557.
 Barenfeld, L.S. 6223.
 Bargetzi, J.P. 5220.
 Barham, S.S. 3674.
 Barigozzi, C. 1785.
 Barilyak, I.R. 1105.
 Barka, T. 1844.
 Barker, G.R. 4392.
 Barker, H. 3541, 5702.
 Barklie Clements, J. 833.
 Barkova, I.S. 1820.
 Barlogie, B. 5435.
 Barlow, G.B. 1682.
 Barlow, P.W. 985, 1779, 3458, 3459.
 Barnes, D.W. 5150.
 Barnes, R.M.R. 2047.
 Barnes, W.M. 2337.
 Barnett, W.E., 1878.
 Barnett, B.B. 3804.
 Barnett, E.V. 2480.
 Barnett, L.B. 220, 422.
 Barnett, W.E. 1877.
 Barnhill, C.W. 2052.
 Barnsley, P.G.H. 3084.
 Baron, E.S. 3245.
 Baron, S. 227.
 Barr, M.L. 1460.
 Barra, D. 2885.
 Barrell, B.G. 3166, 4435.
 Barreto, M. 850.
 Barrett, C.L. 433.
 Barrett, S.F. 3959.
 Barrio, J.R. 3729.
 Barritault, D. 761.
 Barry, R.D. 561.
 Barsacchi-Pilone, G. 453, 1788.
 Barsanti, L. 894.
 Barsanti, P. 1485, 3186.
 Barsh, G.S. 2782.
 Barskaya, T.V. 3266.
 Barsky, V.E. 2637.
 Barth, G. 633.
 Bartholeyns, J. 2802.
 Bartholomew, J.C. 406, 1028, 5311.
 Bartkoski, M.J., Jr. 3830.
 Bartlett, G.R. 1230, 1231.
 Barton, C.M. 2606.
 Barton, C.R. 3196, 4983, 4988.
 Barton, R.W. 570.
 Bartoov, B. 4462.
 Barwolff, D. 4641.
 Barysheva, V.P. 1032.
 Basak, S. 840.
 Baseman, J.B. 3466.
 Baserga, R. 1207, 3455, 3869, 5766.
 Base
 Bashkite, E.A. 4523.
 Basilico, C. 3855.
 Basiliko, M. 5387.
 Baskevitch, P.P. 2444.
 Basnak, I. 57.
 Bass, A.I. 3139.
 Bass, I.A. 2456.
 Bassham, J.A. 5151.
 Bassi, J. 530.
 Bassleer, R. 1021, 1433.
 Bastia, D. 3907.
 Basu, S. 386, 1520, 1532, 1562, 4028.
 Bata, J. 5147.
 Bates, R.C. 5256.
 Bates, R.H.T. 1232.
 Batistoni, R. 453, 1788.
 Batstone, G.F. 2078.
 Battey, J. 3929.
 Batts-Young, B. 2263.
 Battula, N. 3988.
 Bauer, W., 6047.
 Bauer, D.J. 5484, 5496.
 Bauer, E. 3876.
 Bauer, G. 1142, 5274, 5367.
 Bauer, W. 2906, 3130, 3907, 4422, 6306.
 Bauer, W.R. 3426.
 Bauerlein, E. 5427.
 Baulieu, E.-E., 1716.
 Baum, S.G. 4866.
 Bauman Burck, K. 6077.
 Baumann, E.A. 4478.
 Baumstark, B. 1878.
 Bautz, E.K.F. 1712, 4010.
 Bautz, F.A. 1711.
 Baxt, B. 4773.
 Baxter, J. 5750.
 Baxter, J.D. 372, 1564, 2011.
 Bayev, A.A. 3, 731, 732, 2801, 4039.
 Bayley, S.T. 2205, 6010.
 Bayliss, G.J. 4772.
 Bazetoux, S. 4470.
 Beabeshashvili, R.S. 1111, 4008, 6165.
 Beach, T.A. 1367, 5779.
 Beachamp, L. 1829.
 Beachy, R.N. 807.
 Beams, J.W. 1094.
 Beard, C. 5249.
 Beasley, B.C.A. 56.
 Beattie, K.L. 2684, 2685, 2686.
 Beauchamp, A.L. 5466.
 Beaud, G. 2207.
 Beaudet, A.L. 4548.
 Beaudreau, G.S. 1536, 2348.
 Beaudry, Y. 2854, 6215.
 Beburow, M.Yu. 1991.
 Becak, M.L. 4625.
 Bechtold, R.A. 3337.
 Beck, B.D. 3786.
 Beck, D. 1752.
 Beck, E. 2345, 2615, 4881.
 Beck, H.P. 2747.
 Beck, J.D. 3425.
 Becker, M. 4074.
 Becker, Y. 444, 1012, 2465, 3571.
 Beckmann, J.S. 5563.
 Beckwith, J. 2820.
 Bedbrook, J.R. 2424.
 Bedford, J.M. 4859.
 Bedi, K.S. 2672.
 Beebe, D.C. 1081.
 Beebe, T.J.C. 4097.
 Beeler, G.W. Jr. 3042.
 Beemon, K.L. 3686.
 Beensen, V. 4088.
 Beer, J.Z. 1603, 5508.
 Beer, M. 1861, 3053, 5243.
 Begueret, J. 1362, 3391.
 Behlke, J. 756.
 Behn, W. 1548.
 Behnke, D. 5088.
 Beintema, J.J. 5207.
 Beisenherz, W.W. 213.
 Beisler, J.A. 4137.
 Beittenmiller, H.F. 873.
 Beker, M.E. 5199.
 Bektman, E.M. 2660.
 Bektmirov, T.A. 3365.
 Belagaje, R. 2960.
 Belaich, J.P. 134, 135.
 Belcour, L. 5953.
 Beletskaia, O.P. 546.
 Belitsina, N.V. 222, 4800.
 Beljanski, M. 4030.
 Beljanski, M.M. 5801.
 Beljanski, M.S. 5801.
 Belkin, A.V.M. 5657.
 Bell, G.I. 2728, 2729.
 Bell, J.B. 2990.
 Bell, P.A. 3623.
 Bellamy, A.R. 3440.
 Bellard, M. 6279.
 Bellett, A.J.D. 1000, 2380.
 Belli, J.A. 2394.
 Belfie, A.R. 5304.
 Belman, S., 846.
 Belogurov, A.A. 6022.
 Belous, A.M. 5248.
 Belousova, I.I. 5635.
 Belozerskaya, N.A. 5948, 5985.
 Belyaeva, M.I. 1670.
 Belyavskii, A.V. 1184.
 Belyev, N.D. 4774.
 Ben-Hamida, F. 2207.
 Ben-Hur, E. 5517.
 Ben, T. 1038.
 Ben, T.L. 3128.
 Benabadi, M. 522.
 Benard, J. 1439.
 Benbasat, J.A. 6077.
 Benbow, R.M. 477, 3201.
 Bendek, G. 141.
 Bender, R.A. 2785.
 Bender, W. 1930, 4278.
 Bendich, A. 2020.
 Benecke, B.-J. 1386.
 Bengali, Z. 3168.
 Benicourt, C. 3075.
 Benigni, R. 2627, 4452.
 Benitez, G. 4845, 4918.
 Benko, A.B. 4126.
 Benn, V. 4046.
 Benne, R. 2233.
 Bennett, C. 1476.
 Bennett, D. 1031.
 Bennett, E.L. 2268.
 Bennett, G. 5038.
 Bennett, G.N. 4037, 5036, 5037, 5039, 6167.
 Bennett, J.E. 4694.
 Bennett, P.M. 2341, 5889.
 Bennva, B. 5452.
 Bensasson, R.V. 4117.
 Bensaude, O. 2521, 2526.
 Benson, R.H. 3625.
 Benson, R.W. 4018.
 Benrude, W.G. 2535.
 Benveniste, R.E. 21, 938, 3848, 4350, 4930.
 Benyajati, C. 613, 6265.
 Benz, E.J., Jr. 237, 4809, 5714.
 Benz, E.W., Jr. 557.
 Benz, F.W. 2807, 5213.
 Benz, R.D. 4649.
 Benz, W.C. 5480.
 Benzing, R. 5181.
 Beopoulos, N. 2806.
 Beppu, T. 1695, 2789, 5831, 6161.
 Ber, A. 1759.
 Beranek, J. 2940, 3720.
 Berard, C.W. 2675.
 Berdnikov, V.A. 4619, 5313.
 Berdyshev, G.D. 839.
 Berenbein, B.A. 1322.
 Berendt, R.F. 5497.
 Berens, K. 3880.
 Beres, L. 2971.
 Berestetskaya, Yu.V. 4791.
 Berg, B. 3963.
 Berg, B.H. 176.
 Berg, D. 4992.
 Berg, D.E. 6102.
 Berg, H. 3892, 3896.
 Berg, O.G. 1060.
 Berg, P. 2419, 2716, 2717, 2818, 3599.
 Berge-Lefranc, J.-L. 1414.
 Berger, E. 211.
 Berger, E.M. 3767.
 Berger, H. 2423.
 Berger, J.D. 3562, 5809, 6053.
 Berger, M. 1921, 2252.
 Berger, N.A. 469.
 Berger, S. 3926.
 Berger, S.L. 2639.
 Bergeron, M. 1005.
 Bergmann, F. 36.
 Bergmans, H.E.N. 2066, 5832.
 Bergstrom, D.E. 5547, 3721.
 Berk, A.J. 436, 3048, 5687.
 Berkner, K.L. 4503.
 Berlin, Yu.A. 2551.
 Berliner, H. 4031.
 Berlyn, G.P. 2676.
 Berman, H.M. 13, 110, 154, 2184, 3725.
 Berna, J. 2287.
 Bernabeu, C. 3769, 3782.
 Bernard, O. 555, 4460.
 Bernard, O.D. 1937.
 Bernard, U. 3174.
 Bernardi, G. 3555, 3556.
 Bernassau, J.-M. 3760.
 Berneman, A. 3377, 4592.
 Bernhard, K. 6098.
 Bernhard, W. 1175, 1753, 3557, 5328, 6050.
 Bernhard, W.A. 1840, 3703.
 Bernheim, J.L. 3588, 3589.
 Bernheimer, H. 4744.
 Bernier, G. 1419.
 Bernstein, A. 5682.
 Bernstein, H. 2383.
 Bernstein, H.-G. 4587.
 Bernstein, I.A. 2682.
 Bernstein, R.S. 4009.
 Bernstein, E.G. 4061.

- Berreux-Bonnenfant, J. 721.
 Berry, D.E. 1447.
 Bert, C. 2695.
 Bertaux, O. 5051.
 Bertazzoni, U. 5260, 5264.
 Berthelot, N. 625.
 Berthelot, F. 1387.
 Berthod, H. 38.
 Bertinchamps, A.J. 1298, 2694, 2696.
 Bertino, J.R. 5197.
 Bertrand, K. 5038.
 Berzin, V.M. 3580.
 Berzin, V. 3096.
 Berzinya, A.E. 1819.
 Besemer, J. 3519.
 Besspalko, O.F. 4936.
 Bessman, M.J. 1266, 1717.
 Besson, J.E. 1921- 2252.
 Best, A.N. 2564.
 Bester, A.J. 340.
 Betlach, C.J. 1625.
 Betlach, M.C. 2704, 6155.
 Betz, B. 3113.
 Betz, J.L. 6119.
 Beutin, L. 5168.
 Bevilacqua, P. 2775.
 Bewley, J.D. 3106.
 Beyer, T.V. 1483, 2669.
 Bezborodov, A.M. 6137.
 Bezborodova, S.I. 164, 546, 2080.
 Bezdek, M. 4471.
 Bezdekova, A. 5548.
 Bezdrobnyi, Yu.V. 839.
 Bezrukov, V.V. 3039.
 Bhagavan, B.S. 5078.
 Bhat, G. 423.
 Bhat, S.P. 826.
 Bhatarakamol, S. 1690.
 Bhatavdakar, J.M. 3210.
 Bhatnagar, P.K. 3967.
 Bhatnagar, Y.M. 5304.
 Bhattacharya, A. 853.
 Bhattacharya, P. 4028.
 Bhattacharya, R.K. 3752, 4743.
 Bhatti, A.R. 2483.
 Bhaumik, S.K. 3859.
 Bhuta, P. 112, 1874, 4699.
 Biagioni, S. 2885.
 Biala, E. 4167.
 Bialdiga, M. 4262.
 Bianchi, M.S. 1212, 6302.
 Bianchi, N.O. 1212, 6302.
 Bianchi, V. 2053, 3224.
 Bibb, M.J. 4990.
 Bibor, V. 6130.
 Bick, M.D. 686, 1194, 2952.
 Bick, P.H. 713.
 Bickle, D. 5750.
 Bickle, T.A. 6159.
 Bidoglia, R. 5637.
 Bieber, J. 6195.
 Biegeleisen, K. 1070.
 Bielinska, M. 3489.
 Bielka, H. 2217.
 Bienz, K. 5742.
 Biernat, J. 3722.
 Biernbaum, M.S. 3337.
 Bierzynski, A. 27, 28, 29, 3880.
 Biesold, D. 1044.
 Biessmann, H. 3478.
 Biffar, S.E. 3332.
 Bigaj, J. 2379.
 Biggar, W.D. 2469.
 Bigger, C.A.H. 2319.
 Bikle, D.D. 6173.
 Billen, D. 486, 3270, 6040.
 Billeter, M.A. 4351.
 Billitt, F.S. 5159.
 Bilofsky, H. 6091.
 Biltonen, R. 1863.
 Biltonen, R.L. 4202.
 Bina Stein, K. 2603.
 Bina Stein, M. 1307.
 Binette, J.P. 161.
 Binkley, R.W. 3723.
 Binkley, W.W. 3723.
 Birch-Hirschfeld, E. 2962.
 Birch, B. 1891.
 Bird, A.P. 3177, 3178, 5959.
 Bird, R.E. 3163.
 Birenbaum, M. 3054.
 Birge, C.H. 4803.
 Birnbaum, A.J. 3020.
 Birnbaum, E.H. 56.
 Birnbaum, G.I. 109, 1837.
 Birnboim, H.C. 437, 3140.
 Birnie, G.D. 802, 4635.
 Birnstiel, M.L. 616, 2610, 3086, 5062, 5368.
 Biro, J. 311.
 Biron, K.K. 5257.
 Birshtein, T.M. 417.
 Birt, L.M. 3564.
 Bisagni, E. 4407.
 Bischoff, P. 2976.
 Bisel, T.U. 680, 4145, 4149.
 Bisserie, G. 4654, 6246.
 Bishop, J.M. 2242.
 Bishop, A. 5178.
 Bishop, A.O. 1966.
 Bishop, D.H.L. 1456, 3799.
 Bishop, J.M. 1402, 1556, 2258, 3569.
 Bishop, J.O. 878, 5369.
 Bishop, R. 2359.
 Bishop, R.J. 2728.
 Bishop, S.P. 1703.
 Bissell, M.J. 1028, 3472, 5151.
 Biswal, N. 3230, 5032.
 Biswas, B.B. 840.
 Biswas, D.K. 4095.
 Bitny-Szlachto, S. 4067, 5342.
 Bitter, G.A. 4572.
 Bittlingmaier, K. 5483.
 Bjerknes, C.A. 1568, 3194.
 Bjork, G.R. 1876, 1933.
 Bjursell, G. 345, 1294, 3946, 5016.
 Black, L.W. 427.
 Black, P.H. 4645, 5108, 6019.
 Blackburn, E.H. 3922.
 Blackburn, P. 537, 2802.
 Blackler, A.W. 4053.
 Blagoi, Yu.P. 3898, 4413, 4416, 5881.
 Blagoi, J.P. 411.
 Blagoveshchenskaya, O.V. 5255.
 Blaha, K. 3872, 4617, 6250.
 Blair, D.G.R. 2096.
 Blake, C., Jr. 914.
 Blake, R.D. 3147.
 Blakesley, R.W. 1698, 3616.
 Blakley, R.L. 4595, 4596.
 Blamire, J. 981.
 Blanc, H. 5951.
 Blanchard, B. 4608.
 Blanchard, J.-M. 1177, 2873, 5301.
 Blanchard, P. 4707.
 Blanco, M. 1064.
 Blannet, J.D. 6042.
 Blanquet, S. 739, 4761.
 Blanton, R.A. 2500.
 Blaschek, W. 1723.
 Blatti, S.P. 3625.
 Blattner, F.R. 2000, 2062, 5166.
 Bleehe, N.M. 1612.
 Blekman, G.I. 6136.
 Blight, J. 2537.
 Blin, N. 5957.
 Blinov, M.N. 2607, 3820.
 Blinova, N.N. 2588, 4329, 4795, 5666.
 Bliss, F.A. 5799.
 Blitz, A.L. 5761.
 Blobel, G. 5604.
 Blobstein, S. 908.
 Bloch, J.-C. 723.
 Bloch, P.L. 3766.
 Bloemendal, H. 219, 5796.
 Blohm, D. 4987.
 Blok, L.N. 4778.
 Blomberg, C. 1060, 1958.
 Blondel, D. 6059.
 Bloom, A. 3184.
 Bloom, M.E. 1944.
 Bloom, S.R. 1006.
 Bloomer, W.D. 5520.
 Bloomfield, V.A. 3527.
 Blout, E.R. 2544.
 Blow, D.M. 5591.
 Blum, A.D. 2814.
 Blumenfeld, M. 2883.
 Blumenthal, A.B. 451, 6190.
 Blundell, T.L. 3979.
 Blundell, M. 4368.
 Bluthmann, H. 605, 5316, 5320.
 Bobek, M. 5455.
 Bobovich, S.I. 1566.
 Bobst, A.M. 5503, 6205.
 Bobyk, M.A. 5199.
 Boccadoro, M. 3476.
 Boccardo, G. 875.
 Bocchini, V. 5647.
 Bocharova, T.N. 2830, 4888.
 Bochkareva, E.S. 3416.
 Bochwic, B. 1278.
 Bock, A. 743, 2214.
 Bock, K.R. 3541.
 Bock, L. 4566.
 Bocker, R. 858.
 Bockrath, R.C. 1017, 3994.
 Bode, J. 1757, 3897.
 Bodell, W.J. 2764.
 Bodemer, M. 5679.
 Bodenstein, D. 4485.
 Bodo, G. 5135, 5605, 5749.
 Body, B.A. 2591.
 Boeckmann, G. 4616.
 Boedtker, H. 245.
 Boer, H.H. 2671.
 Boeye, A. 746.
 Boezi, J.A. 5263.
 Boffa, L.C. 1191, 2884, 5303, 6238, 6255.
 Bogatyreva, S.A. 4660.
 Bogdanov, A.A. 3009, 3431, 3446, 5611.
 Bogdanov, S.S. 77.
 Bogdanov, V.P. 4525.
 Bogdanovsky, D. 3406.
 Bogdarina, I.G. 4039.
 Bogdarina, I.T. 3277.
 Bogenhagen, D. 3192, 3193.
 Bogomolova, N.N. 3578.
 Bogorad, L. 629, 2424, 4456.
 Bogush, B.G. 3524.
 Bogush, V.G. 930, 2421, 4434, 6106.
 Boguski, M.S. 2435.
 Boguslawski, G. 1128, 4892.
 Boguslawski, S. 5422.
 Boguta, G. 3880.
 Bohm, J. 1210.
 Bohm, N. 4380.
 Bohman, K. 5589.
 Bohme, H. 1085.
 Bohme, R. 4609, 5314.
 Bohn, E.W. 569.
 Bohn, R.C. 1041.
 Bohnert, R. 1724.
 Boime, I. 2251, 3489.
 Boiteux, S. 6018.
 Boivin, P. 2817.
 Bokhon'ko, A.I. 2895, 4651.
 Bol, J.F. 1405.
 Boldyreva, I.V. 1821.
 Boldyreva, E.F. 2551, 2959.
 Bolen, D.W. 3607.
 Bolen, J.B. 484.
 Bolivar, F. 2704, 6155.
 Boll, D.J. 1343.
 Bolle, A. 2057, 2788.
 Bollen, A. 897.
 Bollen, G.H.P.M. 1078.
 Bollon, A.P. 4574, 4455.
 Bollum, F.J. 570, 3749.
 Bolognesi, C. 1599, 2761.
 Bolognesi, D.P. 2501.
 Bols, N.C. 1733.
 Bolt, H.M. 4194.
 Bolte, J. 4115.
 Bolton, P.H. 4274, 1329, 3043, 5566.
 Bommer, U.-A. 2217.
 Bonanou-Tzedeki, S.A. 3411.
 Boncinelli, E. 5721.
 Bond, B.H. 4009.
 Bondy, S.C. 2279.
 Bonen, L. 4295.
 Bonetti, E. 1889.
 Bonicel, A. 2695.
 Bonnafous, J.-C. 5281, 5282.
 Bonner, E.L. 1746.
 Bonner, J. 1778, 2267, 2892.

- Bonner, J.J. 279, 296.
 Bonner, W.M. 2490.
 Bonnet, J.-J. 64.
 Bont, W.S. 4801.
 Bonura, T. 3712.
 Boobis, A.R. 4963.
 Boone, R.F. 4834, 5754.
 Boone, T. 5179.
 Booth, B.W. 2977, 4734.
 Bopp, L.H. 6101.
 Borchardt, R.T. 6230.
 Borchsenius, S.N. 5947, 5948, 5985.
 Bordelon, M.R. 3275.
 Borden, E.C. 2977, 4734.
 Border, E.A., 500.
 Borek, E. 846, 2559, 2994, 4697, 5445.
 Borel, Y. 6231.
 Borgers, M. 6211.
 Borgese, N. 5637.
 Borghini, F. 3635.
 Borin, G. 2441.
 Borisenko, A.A., 672.
 Borisov, B.I. 3586.
 Borisova, P. 3096.
 Borisova, S.N. 1096.
 Borisova, O.F. 3819.
 Borkakoti, N. 5461.
 Borkowska, I. 152.
 Born, J. 1199.
 Borne, F. 2199.
 Bornkamm, G.W. 1539, 4443.
 Borodina, T.M. 5241.
 Borondy, P.E. 5482.
 Boronin, A.M. 5807.
 Borovik, A.S. 523, 3914, 4438.
 Borrel, J. 677.
 Borsia, M. 1003.
 Borst, P. 2002, 2004, 2005, 2006, 3499.
 Borthwick, N.M. 3623.
 Borucka-Mankiewicz, M. 4549.
 Boryski, J. 4171.
 Bosch, F. 4905.
 Bosch, L. 2597.
 Bose, K. 3204.
 Bose, S.N. 2162.
 Boseley, P.G. 5062.
 Bosly, A. 5160.
 Bossart, W. 4320.
 Bosselman, R.A. 595, 4226.
 Bosshard, H.R. 5590.
 Bossi, L. 5561.
 Bosslet, K. 2413.
 Bostock, C.J. 4465, 6317.
 Botchan, P. 356.
 Botez, G. 43.
 Botosaneanu, L. 6135.
 Botstein, D. 1077.
 Bottazzi, V. 5370.
 Botte, V. 325.
 Bottger, M. 4075, 4076.
 Bottomley, W. 5071.
 Bouanchaud, D. 5123.
 Boubault, G. 3742, 4181.
 Boublik, M. 197, 2968, 4234.
 Bouché, J.-P. 625, 5703.
 Boulanger, P.A. 4658.
 Boulanger, Y. 1885.
 Bouley, J.P. 5654.
 Bouligand, Y. 5350.
 Boulinois, G.J. 3232.
 Boulton, R.W. 835.
 Bourdel, G. 4221.
 Bourgairel, P. 4030, 5801.
 Bourguignon, L.Y.W. 4818.
 Bournier, O. 2817.
 Bourret, L.A. 4522.
 Bousquet, J.-L. 1543.
 Boussert, A.S. 1368.
 Boutwell, R.K. 1761.
 Bouvyid, V.A. 952.
 Bove, J.-M. 3098.
 Bover, G.F. 4479.
 Bowen, D. 1830.
 Bowles, S.A. 5738.
 Bowman Mertes, K. 5423.
 Bowman, P.D. 1902.
 Boy de la Tour, E. 425.
 Boy, E. 2199.
 Boyd, C.D. 562.
 Boyd, E. 1988.
 Boye, E. 4576.
 Boyer, H.W. 2704, 6155.
 Boyer, P.D. 3561.
 Boykin, D.W. 4975.
 Boykob, P.Y. 5143.
 Boyle, J.M. 1510.
 Boynton, A.L. 1632.
 Boynton, J.E. 1850.
 Bozarth, R.F. 1917.
 Bozhko, G.K. 411.
 Bozhko, H.H. 3898.
 Bozhko, H.K.H. 4050.
 Bozhkov, V.M. 3266.
 Bozzini, A. 754.
 Brabec, V. 3900.
 Bracha, M. 793.
 Brack, C. 2013, 4679, 6159.
 Bracken, W.M. 911.
 Brackmann, K.H. 4373.
 Bradaczek, H. 4783.
 Bradbury, E.M. 200, 757, 2124, 2360, 3658, 3773, 4068, 4086, 5309, 6238, 6252.
 Bradbury, J.H. 2812, 5219.
 Bradley, C.H. 3183.
 Bradley, M.O. 1981.
 Bradshaw, T.K. 4, 2979.
 Brady, C. 1527, 4528.
 Brady, J.N. 5360.
 Braga, E.A. 1499, 3554.
 Brahic, M. 830.
 Brahms, J. 4151, 5247, 5883.
 Brakel, C.L. 6190.
 Bram, S. 4070.
 Brambilla, G. 909, 1599, 2761, 5814, 5862.
 Brambl, R. 4915.
 Bramisch, R. 362.
 Brand, C.M., 3440.
 Brand, J. 1713.
 Brand, R.C. 1418.
 Brandhorst, B.P. 4854.
 Brandle, E. 2277.
 Brandt, P. 2450.
 Brandt, W.F. 2882.
 Brankow, D.W. 1050.
 Branlant, C. 1358, 1903.
 Branny, J. 2379.
 Bransgrove, A.B. 3997.
 Brant, B.A. 2804.
 Brasch, K. 6266.
 Bratcher, S.C. 2090.
 Bratosin, S. 3800.
 Braude, I.A., 4919.
 Brauer, M. 2807.
 Braun, D.P. 2119.
 Braun, R. 765, 980, 3505, 4016, 5158.
 Braunschweiger, P.G. 1718.
 Braverman, R. 3018.
 Bravo, R. 3002.
 Braylan, R.C. 1729, 2675.
 Brazell, I.A. 2035, 3887.
 Brazill, J.L. 5113.
 Breathnach, R. 3179, 4539.
 Bredberg, A. 2698.
 Bredehorst, R. 2478, 4179.
 Bregadze, V.G. 3868.
 Bregnard, A. 3495.
 Breitreutz, D. 3087, 5664.
 Brem, S. 2311.
 Bremer, B. 2377.
 Bremer, H. 3939.
 Brenner, D.J. 5041.
 Brennessel, B.A. 6193.
 Brentani, M. 1936.
 Brentani, R. 1936.
 Breslauer, K.J. 1306, 1307.
 Bresler, S.E. 1909, 3746, 5105.
 Bressan, M. 649.
 Breter, H.-J. 24, 26, 79, 2519.
 Breuer, A.C. 2541.
 Brevet, J. 5171.
 Brewen, J.G. 4646.
 Brewer, G.J. 4483.
 Briand, G. 1185.
 Briand, J.-P. 4273, 5694.
 Briane, D. 4634.
 Bricker, J. 5074.
 Bridges, B.A. 1233, 6199.
 Bridges, S.D. 94.
 Bridson, P.K. 668, 1835.
 Briere, J. 1921.
 Brimacombe, R. 1912, 2623, 3770, 4781, 5371.
 Brink, A.J. 97.
 Brinkley, S.A. 4595.
 Briscoe, W.T. 3710.
 Briseno-Garcia, B. 5498.
 Brison, O. 994, 4600.
 Brit, I.S. 959.
 Britten, R.J. 336, 5670.
 Broach, J.R. 4537.
 Broch, H. 1518, 3352.
 Brockman, R.W. 5439.
 Brockman, W.W. 4664.
 Broda, B. 3862.
 Broda, P. 4426, 5899.
 Brodelius, P.E. 5530.
 Brodeur, B.R. 4242.
 Brody, J.S. 2779.
 Broekaert, D. 3558, 4381.
 Brogger, A. 6305.
 Brogli, R. 2775.
 Broker, T.R. 248, 3490, 3906, 5010.
 Brondz, B.D. 504.
 Brongoszewski, M. 4387.
 Bronstein, P. 3789.
 Bronzov, I.A. 2673.
 Brooker, J. 1457.
 Brookes, P. 393.
 Brookhansky, G.V. 1592.
 Brooks, R.F. 4712.
 Brooks, R.R. 5239.
 Brooks, T.L. 3462.
 Brosard, D. 3863.
 Brosius, J. 1894, 1895, 5608.
 Brosseau, R. 4728.
 Brot, N. 2589.
 Brotz, M. 5126.
 Brouet, J.-C. 2844.
 Brower, P.A. 2301.
 Browman, G.P. 1270.
 Brown, A. 3759, 3985.
 Brown, B.L. 5173.
 Brown, D. 6065.
 Brown, D.D. 968, 4538, 5039.
 Brown, D.G. 2453.
 Brown, D.J. 1262, 1822, 2931, 5418.
 Brown, D.M. 3148.
 Brown, D.Q. 3962.
 Brown, E.L. 2960.
 Brown, F. 1403, 4280, 5690.
 Brown, F.L. 2366, 2493, 5202.
 Brown, G.B. 5861.
 Brown, G.E. 1683, 2076.
 Brown, J.R. 916.
 Brown, K.B. 2453.
 Brown, K.D. 5036, 6073, 6167.
 Brown, M. 2634.
 Brown, M.S. 3279.
 Brown, N.C. 2504.
 Brown, P.R. 76, 1834.
 Brown, R.D. 968.
 Brown, R.E. 1317, 2183.
 Brown, R.S. 1766, 2565.
 Brown, S.E. 4432.
 Brown, W.M. 3185.
 Brownlee, G.G. 967, 2565, 5063.
 Brownson, J.M.T. 745.
 Brownstein, B.H. 2591.
 Brody, S. 1989, 4731.
 Bruce, J. 196.
 Bruce, S.A. 4895, 4896.
 Bruckner, G. 1044.
 Brucksch, K.P. 304, 3598.
 Bruegger, B.B. 1181.
 Bruening, G. 807.
 Bruenn, J. 4825.
 Brugges, J.S. 231, 232.
 Brukhansky, G.V. 2756.
 Brun, G. 3570, 3687.
 Brun, G.M. 5264.
 Brun, R. 510.
 Brunborg, G. 6025.
 Brunei, C. 4604.
 Brunel, C. 1177, 2873, 5301.
 Brunelli, M.A. 212.
 Brunfeldt, K. 703.
 Brunk, C.F. 884, 2543.
 Brunori, A. 754, 987, 3307.
 Bruns, M. 1173.
 Bruskov, V.I. 2740, 3702, 3936.
 Brutlag, D. 965.
 Bryan, L.E. 5909.
 Bryan, R.A. 796.

- Bryan, R.N. 3055.
- Bryant, D.W. 5206.
- Bryant, J.A. 3935, 4003.
- Bryant, J.D. 3339.
- Bryant, M.P. 954.
- Bryce, C.F.A. 412.
- Brynes, R.K. 2470.
- Brynolf, K. 3937.
- Brzeski, H. 3460.
- Bubenschikova, S.N. 143.
- Bubola, G. 212.
- Buc, H. 4588.
- Buc, H.C. 1794.
- Bucchini, D. 6276.
- Bucci, T.J. 6173.
- Buchan, A. 3986.
- Buchan, R. 47.
- Buchanan, J.H. 4605.
- Buchanan, J.M. 2663.
- Buchberger, A. 2214.
- Buchbinder, B.U. 5799.
- Buchel, D.E. 927, 3521.
- Buchi, K.A. 556.
- Buchman, T.G. 443, 1540, 5015.
- Buchner, T. 5435.
- Buchwald, I. 1857, 2304, 4262.
- Buchwalow, I.B. 2484.
- Buck, G. 2712.
- Buck, K.W. 253.
- Buckel, P. 2214.
- Buckingham, L. 5502.
- Buckingham, R.H. 1881, 5381.
- Buckland, R. 6162.
- Buckley, L. 2971.
- Buckley, P.J. 5996.
- Bud, H.M. 445, 5025.
- Buder, E. 4074.
- Budker, B.G. 2585, 4230.
- Budovsky, E.I. 221, 4395.
- Budzicka, E. 5508.
- Budzilowicz, C. 4237.
- Buetti, E. 1127.
- Bugg, C.E. 55, 106, 1838.
- Buhrer, D.P. 6193.
- Buiatti, M. 129.
- Buik, A. 5775.
- Buitenwerf, J. 2068, 2722.
- Bujard, H. 926, 2089.
- Bujarski, J.J. 630.
- Bukhari, A.I. 3909, 5185.
- Bukhatkina, N.V. 3336.
- Bukrinskaya, A.G. 2645, 4317.
- Bulgakov, A.R. 4523.
- Bulgakov, R. 2928.
- Bulgakova, V.G. 4692, 4891, 6164.
- Bull, P. 4014.
- Bu'iere, D. 5096.
- Bu'iere, F. 5096.
- Bullock, D.W. 1348.
- Bunemann, H. 3125.
- Bunnenberg, E., 633.
- Buongiorno-Nardelli, M., 4459.
- Bur'yanov, Ya.I. 3277.
- Burch, J.W. 2070.
- Burckhardt, G. 419.
- Burckhardt, J. 2610.
- Burdick, G. 2423.
- Burdman, J.A. 2875.
- Burg, K. 2040.
- Burgard, D.R. 709.
- Burgasova, M.P. 3365.
- Burgers, P.M.J. 3357.
- Burgess, R. 2423.
- Burgess, R.P. 4568.
- Burgess, R.R. 1806, 4822, 4823, 4882.
- Burgi, E. 5047.
- Buri, J.F. 2806.
- Burkardt, H.J., 4428.
- Burkardt, H.J. 3154, 5082.
- Burke, D.D. 3925.
- Burke, M.D. 1501.
- Burke, P.J. 4516.
- Burke, R.L. 3426.
- Burke, W.G. 575.
- Burkhalter, M. 4478.
- Burki, H.J. 4649, 5869.
- Burki, R. 2779.
- Burkinskaya, A.G. 4049.
- Burks, D.J. 6060.
- Burlingame, A.L. 2687.
- Burlingham, B.T. 3653.
- Burnell, J.N. 4763.
- Burnette, W.N. 4090.
- Burns, A.L. 595, 4226.
- Burns, A.T.H. 2603, 2647, 3078.
- Burny, A. 2973, 5806.
- Burr, B. 3062.
- Burr, F.A. 3062.
- Burr, J.G. 2530, 2663.
- Burrington, M. 1750.
- Burrington, M.G. 3637.
- Burrone, O.R. 2212, 2781, 4223.
- Burrows, W.J. 2160.
- Bursch, C.J.H. 1420.
- Burstein, Y. 4675.
- Burt, S.J. 1066.
- Burtis, K.C. 6168.
- Burton, D.R. 5344.
- Burton, K. 2156.
- Burtseva, N.N. 2051.
- Buryanov, Ya.I. 4039.
- Busby, W.F., Jr. 2561.
- Busch, H. 611, 823, 1923, 2901, 2935, 3791, 4051, 5357, 5392, 5970, 6291.
- Busch, R.K. 4051.
- Busev, A.I. 80, 81, 1833.
- Bushell, T.E.C. 2537.
- Busiello, V. 3074.
- Busse, P.M. 2039.
- Busse, T.L. 3430.
- Bussereau, F. 4570.
- Busslinger, M. 5368.
- Bussolati, E. 5637.
- Bustin, M. 4063, 6166, 6253.
- Butcher, D. 4066.
- Butel, J.S. 1647, 6014.
- Butler, A.P. 627, 1804.
- Butler, L.O. 1743.
- Butler, M.J. 6267.
- Butler, P.D. 4250.
- Butler, P.J.G. 2876.
- Butorin, A.S. 1907.
- Butour, J.-L. 402, 3526, 4404.
- Butow, R.A. 964.
- Butt, T.R. 4578.
- Butterworth, P.H.W. 4097, 6179.
- Buttery, P.J. 4359.
- Buttignol, M. 2053.
- Buttin, G. 4589.
- Buty, S.G. 911.
- Buxton, R.S. 447.
- Buzash-Pollert, E. 5673.
- Buzzo, K. 3181.
- Byers, B. 5056.
- Byers, L.D. 1148.
- Byers, M.J. 921.
- Byers, P.H. 3789.
- Bylinkina, V.S. 2587.
- Byrne, H. 286.
- Byrne, J.C. 6080.
- Bystrov, N.A. 2959.
- Cabanas, M.J. 5628.
- Cabello, F. 1649, 3581, 5082, 5172.
- Cabrada, C.D. 5924.
- Cabral, F. 5052.
- Cabral, G.A. 5032.
- Cabrer, B. 2076, 6142.
- Cabrera, C.V. 4864, 5018.
- Cabrera, E.J. 1460.
- Cabrini, R.L. 3494.
- Cacace, F. 4139.
- Cacciapuoti, G. 4038.
- Cadet, J. 93, 5457, 5470.
- Cadger, T. 145.
- Cadger, T.B. 1276.
- Caers, L.I. 5788.
- Caiafa, P. 2885.
- Caillet-Fauquet, P. 1584, 2755.
- Caine, M.D. 4265.
- Cajelli, E. 909.
- Calame, K. 2710, 5011.
- Calberg-Bacq, C.-M. 917, 3132, 4957.
- Caldarera, C.M. 2654.
- Calderson, I. 4045.
- Caldwell, P. 2589.
- Calendar, R. 3532, 3533, 5125.
- Calhoun, W.J. 873.
- Call, T.W. 5494.
- Callahan, M.A. 2883.
- Callan, H.G. 5395.
- Callbaut, M. 5134.
- Callister, H. 2741.
- Caloin, M. 1522.
- Calos, M.P. 3917.
- Calvet, J.P. 1176.
- Calvin, M. 146, 406, 1971, 2687.
- Camerini-Otero, R.D. 3509, 2874.
- Cameron, D.J. 4134.
- Cameron, I.L. 5330, 6271.
- Cameron, V. 1152, 3632.
- Cami, B. 4539, 5803.
- Camici, G. 2877.
- Cammarano, P. 1366.
- Campagnari, F. 5292.
- Campbell, J.D., 3337.
- Campbell, A.M. 4069.
- Campbell, I.L. 1149.
- Campbell, J.L. 5012.
- Campbell, N. 5521.
- Campbell, W.P. 4300.
- Campioni, N. 4353.
- Camos, J.M. 2711.
- Campuzano, S. 1375.
- Candido, E.P.M. 1195, 3652.
- Cannon, M. 218, 3401.
- Cantoni, G.L. 582.
- Cantoni, L. 2446.
- Cantoni, R. 2446.
- Cantor, C.R. 1304, 5614, 5625, 5643.
- Cantrell, M. 762, 5642.
- Canuel, L.L. 1868.
- Capesius, I. 5976.
- Caplan, E.B. 603.
- Capomacchia, A.C. 2683.
- Cappieri, S. 2328.
- Cappugi, G. 2877.
- Car, N. 2216.
- Carbon, J. 3991.
- Carbon, P. 809, 1407, 1408.
- Cardasis, C.A. 5238.
- Cardinaud, R. 5442.
- Carey, N.H. 454, 5776.
- Cargill, R.L. 3718.
- Carias, J.R. 5815.
- Carleton, J.S. 2173.
- Carlier, A. 1964.
- Carlier, A.R. 5788.
- Carlin, R.K. 4665.
- Carlo, P. 909, 1599, 5814.
- Carlson, G.L. 405.
- Carlsson, S. 2772.
- Carmi, P. 256, 5076.
- Carmichael, G.G. 230.
- Carneiro, S.M. 4625.
- Carnevali, F. 6032.
- Caro, L. 425, 6297.
- Caroon, J., 146.
- Caroon, J.M. 146.
- Carpenter, D.A. 5110.
- Carpenter, J.G. 6033.
- Carpousis, A. 2569.
- Carrano, A.V. 6289, 6290.
- Carrano, C. 5277.
- Carrano, M. 2944.
- Carrascosa, A.L. 3966.
- Carrell, H.L. 154.
- Carreno, G. 2178.
- Carriaco, C.K. 1956.
- Carroll, A.R. 745, 2870.
- Carroll, D. 968, 5017.
- Carson, D. 3951.
- Carson, D.A. 2471, 5279.
- Carsten, A.L. 1765.
- Carter, B.L.A. 6027.
- Carter, C. 4142.
- Carter, C.A. 5755.
- Carter, C.J. 218, 3401.
- Carter, T.H. 2500.
- Carter, W.A. 5271.
- Cartouzou, G. 1414.
- Caruthers, M.H. 6119.
- Cary, P.D. 1185, 5309.
- Caryk, T.M. 5073.
- Casazza, A.M. 1613, 5851.
- Cascino, A. 418, 1666.
- Case, S.T. 6284.

- Cashel, M. 2072.
 Cashion, P. 3515.
 Cashion, P.J. 145, 1276.
 Cashmore, A.R. 5874.
 Caskey, C.T. 1145, 5372.
 Casoli, C. 6163.
 Cass, C.E. 5512.
 Cassidy, D.M. 4053.
 Cassidy, M. 2666.
 Cassingena, R. 1848.
 Cassuto, E. 3243.
 Castaneda, E. 551.
 Castel, A. 2597.
 Castellot, J.J., Jr. 3566, 6072.
 Casti, A. 2654.
 Castles, T.R. 4901.
 Castro, I.O. 5499.
 Catino, J.J. 5357.
 Catovsky, D. 2100, 6216.
 Catterall, J.F. 2056, 5962.
 Cavallieri, L.F. 6208.
 Cavallieri, R.L. 863, 3108.
 Cavallisco, C. 4809, 5714.
 Cavallone, F. 1260.
 Cavanagh, D. 588.
 Cavanaugh, M. 909, 1599, 2761, 5814, 5862.
 Cave, M.D. 5195.
 Cavrini, A. 115.
 Cazenave, P.-A. 2867.
 Cedar, H. 3550, 5068.
 Cedergren, R.J. 4190, 4741.
 Cejkova, M. 4048, 4079.
 Celen, P. 1139.
 Celma, M.L. 5029.
 Cemin, Yu.A., 4129.
 Cenatiempo, Y. 2227.
 Cereghini, S. 1119.
 Cerf, R. 4276.
 Cerletti, N. 148.
 Cernoch, M. 5.
 Cerny, B. 2928.
 Cerutti, P. 2036.
 Cerutti, P.A. 2322, 6035.
 Cervera, J. 5771.
 Cervos-Navarro, J. 5765.
 Cha, S. 1292.
 Chabaud, O. 1414.
 Chabner, B.A. 2849.
 Chachaty, C. 1854.
 Chaconas, G. 791, 3812.
 Chadha, M.S. 652.
 Chadwell, H. 3519.
 Chadwell, H.A. 5044.
 Chadwick, K.H. 4971.
 Chae, C.-B. 3664.
 Chaiken, I.M. 544, 2440.
 Chaires, J.B. 1899, 1900.
 Chakhmakucheva, O.G. 2551.
 Chakrabarty, P.K. 3173, 449, 5794.
 Chakrabarty, A.M. 2495, 3237, 6101, 6120.
 Chakraborty, P.R. 2098.
 Chakravorty, A.K. 2910.
 Chalkley, R. 1187, 4052, 5200, 5326.
 Chalupka, G. 392.
 Chamberlin, M.E. 5670.
 Chamberlin, M.J. 1110, 1700.
 Chambers, C.A. 2361.
 Chambers, D. 1471, 2611.
 Chambers, R.W. 2790.
 Chambers, S.H. 1943.
 Chambliss, G.H. 747.
 Chambon, P. 3179, 4539, 6279.
 Chambosse, A.M. 1921, 2252.
 Champier, J. 2252.
 Champoux, J.J. 1797, 2499, 2909, 3646, 6309.
 Chan-Stier, C. 4642.
 Chan, A.C. 492.
 Chan, C.K. 1136.
 Chan, H. 1992.
 Chan, K.-M. 5730.
 Chan, P.C. 5518.
 Chan, V.L. 6110.
 Chan, Y.P.M. 1377.
 Chanal, M.-C. 1226.
 Chanarin, I. 6067.
 Chandler, M. 425.
 Chandra, G.R. 3227.
 Chandra, P. 1234, 1952, 2329, 2846, 4666, 5557.
 Chandra, T. 1493.
 Chaney, S.G. 5757.
 Chang, A.C.-Y. 1062, 6095.
 Chang, C. 2133, 3012.
 Chang, C.-H. 6057.
 Chang, F.N. 4237.
 Chang, K.-P. 2758.
 Chang, K.S.S. 1141.
 Chang, L.M.S. 6177.
 Chang, N. 797.
 Chang, S. 1648.
 Chang, S.-D. 3869.
 Chang, T. 5482.
 Chanock, R.M. 4832.
 Chantler, J.K. 5735.
 Chantrenne, H. 2973.
 Chany-Morel, E. 5492.
 Chao, J. 1714.
 Chao, L. 1702.
 Chao, Y.-Y.H. 107.
 Chapeville, F. 3687.
 Chaplygina, N.M. 3914, 4438, 4542, 6079.
 Chapman, G.E. 5309.
 Chapman, I.V. 2542.
 Chappuis, M. 4264.
 Charles, A. 5750.
 Charles, D. 1646.
 Charles, D.J. 3497.
 Charlier, M. 1860.
 Charman, H. 5819.
 Charney, E. 5550.
 Charpin, J. 359.
 Chase, J.W. 1544.
 Chassoux, D. 1291.
 Chatigny, M.A. 975.
 Chatterjee, R., 1575.
 Chatterjee, G.E. 2596.
 Chatterjee, M. 191.
 Chatterjee, N.K. 1367, 3139, 5779.
 Chatterjee, R. 2127, 4622.
 Chatterjee, R.N. 3954.
 Chatterjee, S.N. 1575.
 Chatterjee, S.S. 647.
 Chatterji, D. 89.
 Chattopadhyay, N.C. 354.
 Chattopadhyay, S. 4278.
 Chattopadhyay, S.K. 1481, 3169.
 Chattopadhyaya, J.B. 84.
 Chatteraj, D.K. 3945.
 Chau, H.T. 2313.
 Chaudhary, K.D. 4263.
 Chaudhuri, R.K. 4878.
 Chaudhuri, S. 2762.
 Chaudhuri, U. 385, 391.
 Chauser, E.G. 2168.
 Chauvin, C. 806, 5700.
 Cheah, K.S.E. 4543.
 Chebanu, F.A. 3234.
 Chebanu, T.A. 610.
 Chebath, J. 1414.
 Chebotarev, E.E. 512.
 Cheeseman, G.W.H. 5412.
 Cheevers, W.P. 255.
 Chejanovsky, N. 2465.
 Chekharina, E.A. 1946.
 Chekova, V.V. 3578.
 Chelibonova-Lorer, H. 1437.
 Chen-Schmeisser, U. 763, 1101.
 Chen, C.-Y. 3582.
 Chen, C.-C. 1181.
 Chen, C.M. 5449.
 Chen, C.S. 2222.
 Chen, E.Y. 167, 171, 4751.
 Chen, H.W. 2409.
 Chen, J. 3110.
 Chen, J.C. 5348.
 Chen, J.H. 2664.
 Chen, J.N. 3031.
 Chen, K. 819, 1489.
 Chen, M.C. 5569.
 Chen, M.S. 6212.
 Chen, R. 763, 1101, 1355, 1897.
 Chen, S.-H. 575, 2469, 5284.
 Chen, Y.-M. 3093.
 Chen, Y.C. 569.
 Cheng, C.C. 173.
 Cheng, D.M. 1308, 2552.
 Cheng, S.M. 1220.
 Cheng, T. 4857.
 Cheng, Y. 4033.
 Cheng, Y.-C. 2758, 5505.
 Chenon, M.T. 5415.
 Chentsov, Yu.S. 2014, 3961.
 Cherayil, J.D. 74, 1397, 2560.
 Cherchi, M. 6216.
 Cherepneva, I.E. 1670.
 Cherkasov, V.M. 1821.
 Chernavsky, D.S. 3609.
 Chernetskii, V.P., 1826.
 Chernikova, T.S. 704.
 Chernin, L.S. 2410.
 Chernov, B.K. 2959.
 Chernovskaya, T.V. 312.
 Cherny, D.I. 1111.
 Cherry, J.H. 2573.
 Chertov, O. Yu. 5240.
 Chertov, O. Yu. 3262.
 Chesney, J. 6133.
 Chesney, R.H. 4986.
 Chesnokov, V.N. 2588, 4329, 4795.
 Chesters, J.K. 3999.
 Chesterton, C.J. 313, 3842.
 Chestier, A. 1756, 1791.
 Chetsanga, C. 3303.
 Cheung, A.B. 4103.
 Cheung, C.H. 1416.
 Cheung, C.P. 694, 696, 3228, 5602.
 Cheung, J.Y. 5594.
 Chevaillier, Ph. 1726.
 Chevalier, M.R. 1831.
 Chheda, G.B. 104, 3713, 5449.
 Chi, R.K. 4486.
 Chia, D. 2480.
 Chia, L.-L.S.Y. 4203.
 Chiang, Y.L., 5856.
 Chiang, C.S. 4762.
 Chiang, P.K. 582.
 Chiatante, D. 882, 5824.
 Chiba, H. 5337.
 Chiba, K. 2388.
 Chidzhavazde, Z.G. 5879.
 Chien, J. 2159.
 Chien, Y.-H. 4275, 4278.
 Chikaraishi, D.M. 2269.
 Childs, G.J. 2902.
 Chill, D.W. 473.
 Chilton, B.S. 5268.
 Chilton, J.C. 4059.
 Chilton, M.-D. 828, 4982, 4997, 5180, 5891.
 Chin, B. 4894.
 Chin, M.B. 5720.
 Chin, S. 5151.
 Chinali, G. 131, 4753.
 Chinnadurai, G. 5155.
 Chinnadurai, S. 5155.
 Chinsky, L. 4151.
 Chipec, C.C. 3645.
 Chirgwin, J.M., 1461.
 Chirikjian, J.G. 3616, 6156.
 Chirkov, G.P. 5143.
 Chirpich, T.P. 1728, 5267.
 Chiu, C.-S. 990, 2473.
 Chiu, N. 1207.
 Chladek, S. 131, 2161, 3403, 3738.
 Chohji, T. 2767.
 Choi, K.L. 2341.
 Choi, K.H. 5104.
 Choi, T. 5259.
 Choi, W.C. 4507.
 Choi, Y.C. 2935, 5970.
 Chomczynski, P. 4339.
 Chorzay, M. 281, 392, 4060.
 Chou, H.J. 2826.
 Chou, J. 4530.
 Chou, J.Y. 118.
 Choufoer, J. 5930.
 Choughuley, A.S.U. 652.
 Chouroulinkov, I. 1285.
 Chow, L.T. 248, 934, 1784, 3906, 5010.
 Chow, N. 3640.
 Chow, N.H. 792.
 Choy, P.C. 2472.
 Christen, Y. 3688.
 Christensen, J.R. 3239.
 Christian, R.G. 2291.
 Christiansen, C. 1795, 4998.
 Christiansen, G. 4998.
 Christman, C.L. 42.

- Christner, P. 2569.
Chu, C. 2778.
Chu, C.K. 1836.
Chu, F. 2589.
Chu, G.Y.H. 4154, 4156.
Chu, H. 2396.
Chu, L.-Y. 4367.
Chu, M.-L.H. 3405.
Chu, W.T. 5493.
Chua, B. 735.
Chua, R. 5152.
Chuang, C.R. 619.
Chukanova, T.I. 1165.
Chukhlovin, A.B. 2402.
Chumakov, I.M. 798.
Chumakov, K.M. 6307.
Chumakov, P.M. 5741.
Chumikina, L.V. 3398, 4786.
Chung, C. 5042.
Chung, S.-Y. 3657.
Chung, Y.S. 3251, 5099.
Church, G.M. 6158.
Church, V.L. 4512.
Churchward, G. 3939.
Chvoika, L. 2928, 4523.
Chyn, R. 2251.
Ciampi, M.S. 5561.
Ciarrocchi, G. 1134, 3577, 4559.
Cibulka, M. 3597.
Cibulsky, R.J. 1538.
Cielens, I. 3096.
Cieminis, K.G.K. 2395.
Ciesielski-Treska, J. 4719, 5731.
Ciesiolka, J. 3722.
Cihak, A. 1287, 2949.
Cilento, G. 4403, 4405.
Cinatl, J. 533, 5212.
Cini, R. 2169.
Cioe, L. 862.
Civerolo, E.L. 2354, 3170.
Clark, A.J. 2027, 2417, 4993, 5168, 5177.
Clark, B.F.C. 6, 5575.
Clark, B.R. 1004, 2118.
Clark, C.W. 3197, 4942.
Clark, E.J. 451.
Clark, G.R. 5529, 5534.
Clark, J.E. 2911.
Clark, J.H. 5238, 5747.
Clark, J.M., Jr. 182.
Clark, S. 2095.
Clark, S.H. 854, 855.
Clark, T.D. 4580.
Clark, V.E. 3542.
Clark, W.A. 446.
Clarke, B. 4809.
Clarke, C.M. 737, 738.
Clarke, L. 3991.
Clarkson, S.G. 3086, 5961.
Claussen, U. 2774.
Clauwaert, J. 5619.
Claverys, J.-P. 1543.
Clavilier, L., 5052.
Claycomb, W.C. 2838, 5992.
Clayson, D.B. 2778.
Clayton, D.A. 965, 1727, 3144, 3192, 3193, 3929.
Cleaver, J.E. 397, 475, 2037, 3213, 3960, 5100.
Clegg, J.B. 5715.
Clegg, J.C.S. 3460.
Clejan, L. 403.
Cleveland, W.W., 5523.
Clemens, M.J. 3424, 3745.
Clemente, J.S. 130.
Clementi, E. 2964, 2965, 2966.
Clerici, L. 5292.
Cleuter, Y. 2973, 3072, 4366, 4917, 5786, 5792, 5806.
Clewell, D.B. 3905, 5173.
Clewley, J.P. 1456, 3799, 4574.
Clifford, A.J. 3709.
Clinton, J.H. 3194.
Close, D.M. 3703.
Clowes, R.C. 4984.
Co, T. 1867.
Coates, M.R. 3104.
Cobianchi, F. 1134, 4559.
Cobrerios, G. 5121.
Cocchiararo, M. 5647.
Cocito, C. 2378.
Coddington, A. 1901.
Coekelenbergh, Y. 896.
Coelho, A. 3530.
Coen, D.M. 2424.
Coene, M. 2378.
Coetzee, W.F. 407.
Coffin, J.M. 2618, 3049, 3802, 4279.
Cofre, G. 4045.
Cogen, B. 4316, 4318.
Coggins, L. 4929.
Coggins, L.W. 5196.
Cohen, S.N., 5082.
Cohen-Solal, M. 4654, 5714.
Cohen, A. 128, 5934.
Cohen, I.K. 5137.
Cohen, J.C. 5917, 5932.
Cohen, J.S. 4096, 5221.
Cohen, L. 6099.
Cohen, L.H. 4856.
Cohen, M.E. 1429.
Cohen, P. 2133.
Cohen, P.S. 243, 4243.
Cohen, S.N. 1062, 1648, 1649, 3581, 4530, 5171, 5172, 5234, 6095.
Cohen, S.S. 729, 5487.
Cohn, M. 1859, 2180.
Colamarino, P. 2169.
Colbert, D.A. 268.
Cole, C.N. 2419, 2717.
Cole, M.D. 1861, 3053.
Cole, R.D. 2125.
Cole, R.H. 1986.
Cole, R.S. 5103.
Coleman, A.W. 4374.
Coleman, G. 4906.
Coleman, J.E. 432.
Coleman, M.S. 1138.
Collett, M.S. 1140, 3298, 4582, 4863, 4923, 5093, 6049.
Collins, A.R.S. 493, 2040, 4409.
Collins, C.J. 1071.
Collins, J. 956, 3689, 5174, 6123.
Collins, J.M. 2327.
Collins, P. 5484.
Colobert, L. 5147.
Coloma, A. 4798.
Colonno, R.J. 3796.
Colowick, S.P. 5150.
Colson, A.M. 5954.
Columbano, S. 896.
Comi, P. 861.
Comings, D.E. 2881, 5373.
Commerford, S.L. 1765.
Compans, R.W. 3799.
Comstock, J.P. 224, 2648, 3421.
Conde, F.P. 3782.
Condit, R. 2752.
Cone, C.D., Jr. 3120.
Cone, C.M. 3120.
Conklyn, M. 3274.
Conley, A.J. 3797.
Conn, P.M. 5237.
Connan, G. 5752.
Conner, B.J. 2881.
Connor, K.W. 4092.
Connor, R.E. 3565.
Consigli, R.A. 5360.
Consiglio, E. 1380.
Constantino, P. 4341.
Conta, B.S. 1351.
Conte, P.F. 3476.
Content, J. 2657, 4910, 4919.
Contente, S. 3904.
Conti, C.J. 3494.
Contreras, R. 3535, 3915, 4444.
Cook, A.F. 4136.
Cook, E.A. 454.
Cook, K.H. 3606, 5117.
Cook, P.D. 2153, 4133.
Cook, P.R. 2035, 2485, 3887, 4468.
Cooke, A. 3211.
Cooke, H.J. 3174, 3930, 6283.
Cooke, R. 3825, 4347.
Coombes, E.J. 2078.
Coon, M.J. 5856.
Cooper, H.L. 2639, 3018.
Cooper, I.A. 722.
Cooper, J.A. 5723.
Cooper, R.B. 4839.
Cooper, S. 3976.
Cooper, T.G. 3085.
Cooperman, B.S. 5381, 5629.
Coppin-Raynal, E. 4244.
Coquerelle, T. 1509.
Corces, V.G. 4950, 5356, 5362.
Cordeiro, R.A.J. 6232.
Cordingley, J.S. 1392.
Corelli, J.C. 3883.
Cornelis, G. 3160.
Cornelis, J.J. 399.
Cornelisse, C.J. 2671.
Cornelius, R.D. 5523.
Corp, C.R. 4322.
Corrigall, V. 2855.
Corry, P.M. 1022.
Corse, J., 51.
Cortadas, J. 3555, 3556.
Cortese, R. 5561.
Cortini, R. 3912.
Cory, J.G. 2538, 4584.
Cory, S. 555, 1937.
Cosgrove Keown, A. 2312.
Coslov, Yu.I. 6313.
Cosquer, C.L. 3997.
Cossu, G. 566.
Costa Freitas, K. 1316.
Costantino, P. 5847.
Costea, N. 4464.
Costello, M.V. 3883.
Coster, R.J. 4143.
Cotter, R.I. 1208, 2616, 4069, 6281.
Cottrell, C. 4122.
Couch, R.C. 5307.
Coughlan, M.P. 4597.
Coulaud, D. 3526.
Coulomb, H. 5859.
Coulondre, C. 2723, 2794.
Coulson, A.R. 1519, 4418.
Coulson, P.B. 1966.
Coupard, B.E.H. 313, 3842.
Coupe, M. 2298.
Court, D. 4528.
Coutis, W.S. 506.
Courtney, M.A. 1659, 4475.
Courtois, Y. 2692.
Courvalin, P. 5045.
Coutelle, C. 3040, 3057, 3058, 3188, 3452.
Coutts, S.M. 4764.
Couturier, M. 6128.
Covarrubias, A.A. 6155.
Covi, A. 894.
Coward, J. 1435.
Cowie, A. 2752.
Cowie, C.H. 4580.
Cowlis, J.R. 1153.
Cowling, G.J. 4193.
Cox, B.S. 620, 2586.
Cox, E.R. 2136.
Cox, J.H. 1173.
Cox, N.J. 5030.
Cox, R. 2688.
Cox, R.A. 883, 2608, 3310.
Cox, R.F. 3042.
Cozzarelli, N.R. 2857, 4590, 5294.
Cozzzone, A.J. 2227, 3019.
Crabb, W.D. 1643, 1659, 4475.
Crabtree, G.W. 679.
Craddock, V.M. 6029, 6031.
Craig, R.K. 3693.
Craig, S.P. 2219, 2730.
Craig, S.W. 6056.
Crain, P.F. 2935, 5464.
Craine, B.L. 6315.
Cramer, F. 341, 1381, 2203, 4210, 4767, 5454.
Cramer, J.H. 3196.
Cramer, K. 4520.
Crandall, D.E. 5501.
Crane Robinson, C. 1185, 4089.
Craven, G. 5612.
Craven, G.R. 762, 1934, 3012, 5642.
Crawford, P.A., 1459.
Crawford, L.P. 5888.
Crawford, L.V. 2120, 2419.
Crawford, R.J. 3818.
Crawford, T.B. 255.
Creasia, D.A. 497.
Crechet, J.-B. 5645.
Cremer, K. 5679.
Cremisi, C. 1756, 1791.

- Cremonini, R. 3307.
Crenovich, L. 4514.
Crepin, M. 1432.
Cress, D.E., 5349.
Crew, F. 2120.
Crews, S. 4304.
Crichton, C. 2903.
Crichton, R.R. 897, 1896, 3014.
Crippa, M. 4845, 4918.
Crisp, M. 1104.
Critz, W.J. 4595.
Croce, C.M. 4644.
Croissant, O. 944, 5926.
Croizat, B. 1387.
Crompton, M.W. 5219.
Cronkite, E.P. 1765.
Crooke, S.T. 4953.
Crosa, J.H. 1063, 3602, 5083, 5979.
Cross, G.C. 4010.
Crothers, D. 3755.
Crothers, D.M. 262, 2132, 2677, 2986, 3143.
Crouch, N.A. 3582, 5094.
Crouse, H.V. 1768.
Crouzet, M. 1362.
Croy, R.G. 4400.
Crumley, J. 4584.
Cuatrecasas, W. 1416.
Cuello, G.F., 5228.
Cullen, B.R. 2952.
Cumming, A.C. 5800.
Cummings, D.J. 1770, 2743, 3920, 5050, 5953.
Cummings, T.E. 3700, 3701.
Cumsky, M. 2497.
Cundliffe, E. 1910.
Cuneo, R.A. 2980.
Cunningham, D.D. 2782.
Cunningham, L.S. 1956.
Cupello, A. 1450, 2655.
Curgy, J.-J. 4784.
Curtis, P.J. 3090.
Curtiss, R., III 2911, 3311.
Cutler, R.G. 3250.
Cutroneo, K.R. 4235.
Cutter, G.A. 3055.
D'Agostino, C. 6089.
D'Alessio, G. 4550, 5209.
D'Amato, F. 1809.
D'Ambrosio, S.M. 4498, 6043.
D'Anna, J.A. 3674.
D'Arcy, C.J. 4165.
D'Aurora, V. 4567.
D'Halluin, J.-C. 4658, 5252.
Da Roza, R. 1593.
Dabeva, M.D. 217, 661, 662, 1437, 2638, 2680.
Daentl, D.L. 1625.
Dahlberg, A.E. 4241.
Dahlberg, J.E. 3410.
Dahle, D.B. 6033.
Dahms, R. 3138.
Dahms, R.P. 5876.
Dalibart, R. 5261.
Dall'Acqua, F. 2328, 2330.
Dallal, J.A. 4792.
Dallas-Conte, W. 242.
Damaschun, G. 409, 4074.
Damaschun, H. 4074.
Damle, S.P. 5173.
Danby, S.E. 2124.
Daneholt, B. 6284.
Danenberg, P.V. 1235.
Daneo Moore, L. 3951, 6075.
Dang, C.V. 3379.
Dani, H.M. 3733.
Daniel, J.C., Jr. 5268.
Daniel, M.D. 1539, 3805.
Daniel, W.E., Jr. 4556.
Daniell, E. 3947, 4216.
Daniels, M. 2151.
Danilenko, I.I. 959.
Danilevich, V.N. 5169.
Danilevskaya, O.N. 2456.
Danilova, N.I. 1040.
Danley, M. 2786.
Dann, O. 351, 2329, 4562.
Danz, M. 2389.
Dao, T. 3273.
Daoust, R. 1163.
Daraï, G. 2750.
Darby, D.M. 6021.
Darby, G. 2260, 3986, 4884.
Dardick, I. 4071.
Darnell, J.E. 270, 813, 941, 2351, 3082, 3461, 3841, 5716.
Daron, H.H. 5295.
Darracq, N. 5600.
Darragh, P. 5336.
Darrict, D. 5261.
Darvey, I.G. 4554, 4555.
Darzynkiewicz, E. 671, 3346.
Darzynkiewicz, Z. 1477, 1478, 2894, 3425.
Das, A. 225, 778, 2602, 5648.
Das, G.C. 3666, 4082.
Das, I. 4379.
Das, J. 1585, 5597, 5933.
Das, M. 1360, 3781.
Das, M.K. 2439, 2811.
Das, R. 5306.
Das, R.M. 6058.
Das, S.K. 1667, 1719, 1720, 3781.
Dasdia, T. 1613, 5851.
Dasgupta, C.K., 5940.
Dasgupta, A. 225, 2602, 5648.
Dasgupta, S. 1087, 1533, 2346.
Dashevskii, B.S. 2770.
Dashevsky, V.G. 415, 920, 3510.
Daskal, Y. 4051, 6291.
Datta, A. 1914, 2210.
Datta, A.K. 1224.
Dattagupta, N. 3143.
Dauca, M. 3202, 3233.
Dauget, C. 1791.
Daugherty, J.P. 4500.
Daune, M. 1522, 3666, 4082.
Daune, M.P. 396, 3672.
Dauphinais, C. 552, 1349.
Davalli, F. 3296.
Dave, C. 2758.
Dave, I.C. 3471.
Daveze, J.-L. 6215.
David, A.E. 3768.
David, D.N. 3470.
David, G.S. 4657.
David, J. 5411.
David, J.-C. 2115.
David, J.C. 2476.
Davidenkova, E.F. 2402.
Davidson, E.H. 336, 5670.
Davidson, J.M. 3789.
Davidson, J.N. 4456.
Davidson, M.W. 705, 4975.
Davidson, N. 1930, 3490, 3507, 4275, 4278.
Davidson, R.L. 681, 2544.
Davie, J.R. 1195, 3652.
Davies, A.J.S. 1291.
Davies, D.B. 3902.
Davies, D.R. 1862.
Davies, E. 208, 5639.
Davies, H.A. 2482.
Davies, J. 5045, 6102.
Davies, J.A. 3842.
Davies, J.E. 4814.
Davies, J.S. 2606.
Davies, K.E. 818, 3077, 3790, 6267.
Davies, P. 2286.
Davies, R.J.H. 2162, 2188.
Davies, R.W. 927, 3521, 5109.
Davis, A. 1671.
Davis, A.W. 4382.
Davis, B.D. 2912, 3400, 5617.
Davis, B.K. 4883.
Davis, C.J. 2933.
Davis, G.E. 4697.
Davis, M.G. 781.
Davis, P. 1749, 1750.
Davis, P.L. 2265.
Davis, R.W. 2798.
Davis, S. 4500.
Davis, S.A. 1471, 2611.
Davnichenko, L.S. 2689.
Davoli, D. 5379.
Dawes, I.W. 6027.
Dawes, K.P. 3615, 5034.
Dawid, I.B. 356, 2364, 5958.
Dawson, D.M. 2541.
Dawson, J.R.O. 2608.
Dawson, P.C. 5107.
Dawson, W.H. 3718.
Dawson, W.O. 4887, 6185, 6186.
Day, J.P. 1232.
Day, L.A. 1534.
Day, P.R. 782.
Day, R.A. 423.
Day, R.S., III 401.
Day, R.T. 2153.
Daya-Grosjean, L. 5805.
de Bethune, M.-P. 5631.
de Bianchi, A.G. 3992.
de Boer, W. 2889.
De Brabander, M. 6211.
De Bruyn, C.H.M.M. 2109, 2850.
De Carli, L. 4501.
De Clercq, E. 158, 682, 1455, 2191, 2545, 2557, 2657, 4705, 4717, 4733, 4919.
De Coninck, A. 1629.
De Dominicis, R.I. 1084.
De Felice, M. 4755.
de Gast, G.C. 2405.
De Giorgi, C. 5668, 5793.
de Graaff, J. 5979.
de Graaff, R.A.G. 111.
de Groot, I. 1985.
de Haro, C. 1914, 2210, 4252.
de Harven, E. 5681.
de Henau, S. 2986.
De Herdt, E. 5619.
de Jong-Brink, M. 2671.
de Jonge, P. 263, 4294.
de la Espina, S.M.D. 3288.
De La Maza, L.M. 440.
De Lafonteyne, J. 6128.
de Lamarande, G. 6220.
De Leo, P. 5154.
de Leon, V. 1365.
De Ley, J. 5040.
de Luca-Magi, G. 2294.
De Maeyer-Guignard, J. 159, 726.
De Maeyer, E. 159, 726.
De Martinez Segovia, Z.M. 5676.
de Martinis, P. 987.
de Mik, G. 1985.
de Miranda, P. 1829.
De Mitri, M.I. 5676.
de Murcia, G. 3666, 4082.
de Paermentier, F. 1021, 1433.
De Pasquale, R.J. 655.
De Paulet, A.C., 4720.
De Pietro, A., 2854.
de Recondo, A.-M. 5358, 6310.
De Regt, V.C.H.F., 1078.
De Robertis, E.M. 5383, 6125, 1653, 2908, 4313.
de Ruiters, N. 6061.
De Santis, P. 5847.
De Somer, P. 4705.
de Varebeke, P.J. 4742.
de Villiers, O.G. 97.
De Villiers, O.T. 1452.
de Vries, J. 2889.
de Waard, A. 3276.
De Wachter, R. 242, 4160.
de Weck, A.L. 4812.
de Wilde, M. 4814.
De Wit, L. 4910, 4919.
de Zoeten, G.A. 4165.
Dea, P. 3757, 4133.
Dean, P.D.G. 4106.
DeAngelo, A.B. 3088.
Deans, R.J. 3199.
Deaven, L.L. 3674.
Deb, D.L. 1453.
Debabov, V.G. 150, 952, 1490, 2421, 3617, 3871, 6313.
Debov, S.S. 1040, 3996, 4259, 4552, 5288, 5289.
Decedue, C.J. 4892.
Dechamps, M. 4589.
DeCicco, B.T. 1023.
Deckers, P.J. 321, 2662.
Dedhar, S. 3353, 4721.

- Deeb, S.S. 2269.
 Deeble, D.J. 4683.
 Deeley, R.G. 2603, 2647, 3078.
 Deen, K.C. 873.
 Deev, V.A. 2996.
 Defais, M. 1584, 2026, 2755.
 Degen, B. 3828.
 DeGennaro, L.J. 2728, 2729.
 DeGiovanni, C. 4961.
 DeGroot, L.J. 2287.
 Degtyarev, S.V. 3552.
 Dehand, J. 91.
 deHaseth, P.L. 1806, 1807, 4568.
 Dehlinger, P.J. 5751.
 DeHoratius, R.J. 4044.
 Deibel, M.R., Jr. 2105.
 Deibel, R.H. 5205.
 deKernion, J.B. 2301, 3105, 5785.
 del Carmen G. Barrio, M. 3729.
 Del Prete, M.G. 565.
 Del'vig, A.A. 2851.
 Delagneau, J.F. 4570.
 Delain, E. 430, 553, 3526.
 Delaney, A.D. 4193.
 DeLap, L. 4873.
 Delgado, H. 530.
 DelGiudice, R. 1735.
 Delia, T.J. 3720.
 Delius, H. 1539, 4443, 5009.
 Dell'Aquila, A. 5154.
 Della Latta, P. 5123.
 Deloince, R. 2854, 6215.
 DeLorenzo, L. 931.
 Delouis, C. 3079, 4357.
 Delseny, M. 3825, 4347.
 DeLucas, L.J. 55.
 DeMarchi, J.M. 472.
 Demidenko, O.E. 1775.
 Demoulin, D. 4685.
 Demushkin, V.P. 2923.
 Demuynck, C. 4115.
 Den Engelse, L. 2393.
 Denda, A. 4490.
 Denes G. 4754.
 Denhardt, D.T. 2061, 2724, 5003.
 Denis, H. 273.
 Denisova, L.Ya. 698, 3619, 6174.
 Denney, R.M. 1341.
 Dennis, P.P. 1704, 1939.
 Denniston-Thompson, K. 5166.
 Denoya, C.D. 6139.
 Denon, J. 2859.
 Dent, P.B. 3351.
 Deobagkar, D.N. 4196.
 Deonier, R.C. 1061.
 DePamphilis, M.L. 2017, 2349, 3663, 3938, 5980.
 Depew, R.E. 4659.
 DeQuoy, P. 3956.
 Derenzini, M. 4055, 4064, 5329.
 Derrick, K.S. 4255.
 Dertmann, H. 374.
 Desager, J.P. 1639.
 Descamps, J. 682, 2545, 4705, 4717.
 Desgranges, C. 3627.
 Deshpande, A.K. 1459.
 Desselberger, U. 5686, 5689.
 Dessler-Wiest, L. 1008.
 Detke, S. 4017, 6178.
 Deugau, K.V. 5293.
 Deumling, B. 3934.
 Deutsch, J. 5856.
 Deutsch, W.A. 6196.
 Deutscher, M.P. 3370, 3762, 4213.
 Deutzmann, R. 5460.
 Devanathan, T. 3596.
 Devay, M.W. 3095.
 Devenish, R.J. 5952.
 Devens, B. 2480.
 DeVijlder, J.J.M., 2605.
 Devillier, P. 5147.
 Devine, E.A. 1194.
 Devinoy, E. 3079, 4357.
 Devos, J. 801.
 Devos, R. 1139, 3433, 4366, 5786.
 Devreux, M. 987.
 Deyev, V.A. 731, 732.
 Dezaki, Y. 636.
 Dhar, A. 391, 426.
 Dhar, R. 291, 3540, 5026, 5027, 5029, 5921, 5922.
 Dhermy, D. 2817.
 Dhillon, S.S. 2676.
 Dhindsa, R.S. 3106.
 Dhingra, M.M. 2613.
 Di Girolamo, A. 3074.
 Di Girolamo, M. 3074.
 Di Marco, A., 1613, 4391, 5851.
 Di Mauro, E. 6175.
 Di Pietro, A. 6215.
 Diamond, D. 245.
 Diamond, L. 5860.
 Diamond, S.P. 2188.
 Dianzani, F. 227.
 Diasio, R.B. 4694.
 Diaz De Leon, L. 3087.
 Diaz Perches, R. 5500.
 Diaz-Ruiz, J.R. 4816, 5697.
 DiCioccio, R.A. 1137, 4023, 6203.
 Dickerman, H.W. 1367, 3139.
 Dickerson, P.E. 2608, 4288.
 Dickman, S.R. 1343, 2505.
 Dickson, E. 3050.
 Dieffenbach, C.W. 1963.
 Diegelmann, R.F. 5137.
 Diener, T.O. 3050, 4870.
 Dierich, A. 4719, 5731.
 Dierks-Ventling, C. 6268.
 Dierks, P. 4923, 5684, 6049.
 Diesterhaft, M. 3109, 5769.
 Dietrich, A. 740.
 Dietzschold, B. 1173.
 Diez, J.L. 507.
 Digenis, G.A. 792, 5472.
 Diglio, C.A. 2467.
 Dijk, J. 3773, 4783.
 Dikiy, V.V. 6068.
 Dillard, W.L. 3926.
 Dillmann, W.H. 3838.
 DiMaio, D.C. 960.
 DiMarco, A. 4182.
 Dimattina, M. 401.
 Dimitriadis, G.J. 4348, 2633.
 Dimmock, N.J. 5298.
 Dina, D. 5028, 5198.
 Dinart, Ch. 1465.
 Dingman, D.W. 3857.
 Dinsart, C. 331, 2605.
 Dion, H.W. 5443.
 Dion, R. 4190, 4741.
 Dipple, A. 394, 1609, 2319.
 Dipple, I. 6214.
 Dirheimer, G. 1879, 1882, 2989, 2993, 4201.
 Dirks, W. 4344.
 Dissous, C. 5623, 5650.
 Distelhorst, C.W. 4520.
 Dixon, G.H. 600, 2265, 2362, 4819.
 Dixon, H.B.F. 1296.
 Dixon, R.A.F. 1647.
 Dixon, S.E. 3116.
 Dizdargolu, M. 2323, 2693.
 Dizikes, G.J. 3925.
 Djerassi, C. 633.
 Dmitriev, A.D., 2456.
 Dmitrieva, E.V. 3221.
 Dobersen, M.J. 3349, 5504.
 Dobro, V. 43.
 Dobritsa, A.P. 5834, 5895, 5968.
 Dobritsa, S.V. 5834, 5895, 5968.
 Dobrov, E.N. 1925, 3051, 4429, 4838.
 Dobrynin, V.N. 2959.
 Dobrzanska, M. 3459.
 Dodds, J.A. 782, 868.
 Dodgson, J.B. 1698.
 Dodin, G. 2521, 2526.
 Doel, M.T. 454.
 Doenecke, D. 389.
 Doerfler, W. 3539, 4385, 5126, 5928, 6112.
 Dognin, M.J. 1356.
 Doheim, M. 5972.
 Dohme, F. 1369.
 Dohmoto, C. 2659.
 Doi, R.H. 1236, 2506, 5242, 6168, 6170.
 Dolapchiev, L.B. 1088.
 Dolei, A. 862.
 Dolganov, G.M. 2421.
 Dolgikh, D.A. 4553.
 Dolina, Yu.A., 2402.
 Dolinnaya, N.G. 2972.
 Dolja, V.V. 2609.
 Dolnik, V. 3097.
 Domansky, N.N. 3898.
 Domashenko, A.D. 4949.
 Domdey, H. 4289, 5695.
 Domin, B. 4033.
 Domingo, E. 3432.
 Dominik, J.W. 5497.
 Domoto, T. 4789.
 Dompmartin, D. 5926.
 Donelson, J.E. 3908, 4985.
 Doniger, J. 3209.
 Donis-Keller, H. 791.
 Donlon, J.A. 1729.
 Donnelly, R.J. 4856.
 Donner, D. 3772, 6213.
 Donner, M. 2976.
 Donoghue, D.J. 3218, 3801.
 Donohue, A.M. 1476.
 Doolittle, W.F. 4295.
 Dorfman, L.M. 4551.
 Dorian, R.E. 3588.
 Doring, H.P. 4591.
 Dornand, J. 5281, 5282.
 Dorries, R. 5135.
 Dorson, J.W. 6196, 6197.
 Dose, K. 2112, 4153.
 Doskocil, J. 1803.
 Dotto, G.P. 770.
 Doty, P. 1941, 3657.
 Doty, P.M. 3303.
 Dougall, D.K. 791.
 Dougherty, M.F. 4824.
 Douglas, M.G. 964.
 Dourmashkin, R.R., 2482.
 Dover, G. 5374.
 Dovgas, N.V. 5610.
 Dowd, D.J. 114.
 Downard, J.S. 5913.
 Downey, K.M. 4024.
 Downie, J.A. 4087.
 Downing, A. 3592.
 Dowsett, S.J. 3011.
 Doyle, D. 4585.
 Doyle, R.J. 1643, 1659, 4475, 5936.
 Doz, B. 3098.
 Drabkina, L.E. 6105.
 Drach, J.C. 5283, 5490, 6052.
 Dragun, M. 5516.
 Drahovsky, D. 1424.
 Draper, D.E. 1357.
 Drasil, V. 1615.
 Dray, S. 2119.
 Dreiseikelmann, B. 1644, 2787.
 Dreizin, R.S. 2721, 3914, 4438, 4542, 6079.
 Drescher, B. 1732.
 Dressler, D. 536, 3162, 3560, 5005.
 Drew, R.E. 1697.
 Driews, J. 779, 1378, 3308.
 Dreyer, C. 5254.
 Dreyfus, M. 2521, 2526.
 Driscoll, J.S. 4137.
 Drizlikh, G.I. 504.
 Drluca, K. 3543, 5047.
 Drobec, P. 4710.
 Drobishev, V.I. 5758.
 Drobisheva, N.A. 5758.
 Drobyshev, V.I. 2592.
 Drocourt, J.-L. 2468.
 Dron, M. 3220.
 Drozhnienyuk, A.P. 1054, 5971.
 Drozhennikov, V.A. 1106.
 Drummond, M.H. 828, 4982, 5180.
 Drutsa, V.L. 1311, 5527.
 Dryhurst, G. 3900.
 Drychall, R. 2869.
 Du Vivier, A. 5097.
 Dubbs D.R. 6278.
 Dube, D.K. 2023, 2512.
 Dubey, D.P. 3844.
 Dubichev, A.G. 3914, 4438.
 Dubinin, N.P. 1614.
 Dubnau, D. 3904, 5085.

- Dubois, J. E. 2521, 2526.
 Dubois, M.-F. 293.
 Dubovaya, V.I. 266.
 Dubow, M.S. 4652.
 Dubsky, M. 4071, 5336.
 DuBuy, J. 5931.
 Ducolomb, R. 93.
 Duda, V.I. 2370.
 Dudich, I.V. 4980.
 Dudkin, A.S.M. 5222.
 Dudkin, S.M. 1686, 3609, 6143, 6145.
 Dudley, J.P. 1647.
 Dudley, K. 3854.
 Dudnik, Yu.V. 382, 408.
 Dudoek, B. 4752.
 Dudov, K. 2680.
 Dudov, K.P. 2638.
 Dudyycz, L. 671, 3346.
 Dueber, J. 933.
 Duerksen, J.D. 2896, 4092.
 Duerr, S.A. 1219, 6292.
 Duerre, J.A. 1166, 1180.
 Duesberg, P.H. 233, 1930, 2241.
 Duez, C. 6089.
 Duffy, J.J. 2829, 5249.
 Dufresne, C. 2732.
 Dugaiczky, A. 5962.
 Dugas, H. 1237.
 Duggan, D.E. 5296.
 Dugger, W.M. 56.
 Duggleby, C.J. 4426, 5899.
 Duguet, M. 6200, 6310.
 Duguid, J.R. 4848.
 Dujon, B. 5951.
 Duks, A. 5775.
 Dulbecco, R. 1238.
 Dulce, H.-J. 3454.
 Dulmadge, E.A. 65.
 Dumont, J.E. 208, 5639.
 Duncan, B.K. 1593, 2159, 2369, 6224.
 Duncan, J.L. 5502.
 Duncan, R.E. 4154, 4156.
 Dunez, J. 3098.
 Dunlap, R.B. 3281, 3718.
 Dunlap, W.C. 2931.
 Dunn, A.J. 5375.
 Dunn, A.R. 252.
 Dunn, J.J. 5673.
 Dunny, G.M. 5173.
 Duquesne, M. 4151, 5859.
 Duran, N. 4403, 4405.
 Durante, M. 129, 453, 894, 3307.
 Durbin, H. 1031.
 Durmischev, A. 5146.
 Durnford, J.M. 6309.
 Durwald, H. 1227.
 Dury, C.G. 220.
 Dusek, Z. 3008, 3422.
 Dutrieux, N. 1921.
 Dutt, M.K. 4270, 4820, 4938.
 Dutta, S.K. 4030.
 Dutta, S.P. 5449.
 Duvall, E.J. 5190.
 Duvernay, V.H. 4953.
 DuVernay, V.H., Jr. 4236.
 Duvilanski, B.H. 3850.
 Dvorkin, G.A. 5724.
 Dwaraknath, P.K. 1162.
 Dworkin, M.B. 2635.
 Dyke, K.G.H. 5189.
 Dzeguze, D. 290.
 Dzidziguri, D.V. 1771.
 Dziegielewski, T. 1335, 2570.
 Dziomko, V.M. 1818.
 Dzionara, M. 201, 1359, 5616.
 Earl, R.A. 95.
 Early, T.A. 4178.
 Earnshaw, W.C. 932, 5912.
 Easton, A.M. 4988.
 Easty, D.L. 4142.
 Eaton, B.T. 4257.
 Eaton, M.A.W. 712, 2975, 5776.
 Ebel, J.-P. 740, 1358, 1408, 1903, 4273, 5705.
 Ebener, U. 1234, 4666, 5557.
 Eberl, R. 4599.
 Ebert, L. 1045.
 Ebner, K.E. 5604.
 Eccleshall, T.R. 5987.
 Echols, H. 1222.
 Eckel, R. 3824.
 Eckermann, D.J. 2624.
 Eckert, W.A. 300, 5728.
 Eckhart, W. 4318.
 Edelstein, M. 3121.
 Edens, L. 4850.
 Edgell, M.H. 1065, 5829, 5900, 5966, 6126.
 Edgren, M. 1029.
 Edlind, T.D. 246.
 Edman, J. 2233.
 Edo, K. 644.
 Edson, C.M. 1319.
 Edstrom, J.-E. 3030, 5783.
 Edstrom, R.D. 6217.
 Edvenson, R.W. 66.
 Edwards, P.A.W. 4420.
 Edwards, W.D. 2400.
 Efimenko, G.P. 1849.
 Efimov, V.A. 2551.
 Efremova, L.P. 5937.
 Efstratiadis, A. 791, 2631.
 Egami, N. 4376.
 Egan, J. 5744.
 Egan, J.T. 896.
 Egan, W. 5221.
 Egbert, L.N. 3804.
 Egberts, E. 1472, 1857, 2304, 3465, 4305, 4922.
 Egerer, I. 4710.
 Egert, E. 1839, 5473, 5475.
 Egg, D. 2326, 4492.
 Egger, D. 5742.
 Eggerding, F. 3083.
 Egly, J.M., 2913.
 Egly, J.M. 3506.
 Egorov, I.A. 358.
 Egorova, L.A. 3171.
 Eguchi, K. 3381.
 Eghyazi, E. 1919.
 Ehler, K.W. 5407.
 Ehmann, U.K. 5117.
 Ehrenfeld, E. 3765.
 Ehresmann, C. 809, 1407, 1408.
 Ehrlich, M. 3592.
 Ehrlich, R. 1898.
 Ehrlich, S.D. 3981, 5287.
 Eichenlaub, R., 4989.
 Eichhorn, I. 1290.
 Eichler, R.H. 1727, 2099.
 Eickbush, T.H. 388, 2336.
 Eikhom, T.S. 3785.
 Eilat, D. 3284.
 Einset, J.W. 2932.
 Eipe, J. 4464.
 Eipel, H.E. 2670, 3492.
 Eisen, H. 1800, 6107.
 Eisenberg, H. 4631.
 Eisenman, R.N. 4667.
 Eisenstadt, J.M. 1059.
 Eisenstark, A. 2914.
 Eiserling, F.A. 5912.
 Ejiri, S. 1382.
 Ekelund, R. 535, 536.
 Ekert, B. 5871.
 Ekiel, I. 3346.
 Ekpenyong, K.I. 4120.
 Eksteen, R. 4696.
 El-Registan, G.I. 2370.
 Elad, D. 4118, 5537.
 Elce, J.S. 5813.
 Elder, B.L. 2086.
 Elder, F.B. 1787.
 Elder, P.K. 3042.
 Elder, R. 1409.
 Elford, H.L. 1746.
 Elgert, K.D. 5153.
 Elgin, S.C.R. 6295.
 Elgjo, K. 2777.
 Elias, S. 5509.
 Eliasson, R. 3937, 4593.
 Eliceiri, G.L. 1370, 4810.
 Elion, G.B. 1829.
 Elkind, M.M. 5870.
 Elliott, J. 5187.
 Elliott, K.R.F. 6214.
 Ellis, R.J. 7, 4323.
 Elliston, J.E. 782.
 Elmore, D.T. 4123, 5437.
 Elson, C. 735.
 Elving, P.J. 3700, 3701.
 Elwell, L.P. 2703.
 Elwell, M.R. 2978.
 Elze, K.-L. 1293.
 Emanuilov, I. 3015.
 Emien, W. 3849.
 Emmelot, P. 1976.
 Emmerson, B.T. 1147.
 Emnova, E.E. 5780.
 Emori, Y. 85, 4132.
 Empson, R.N., Jr. 6173.
 Emanoza, R.M. 5273.
 Endow, S.A. 1552.
 Endroczi, E. 311.
 Engberg, B. 5081.
 Engel, J.D. 4729, 5558.
 Engel, W. 1082.
 Engel, W.K. 2980.
 Engelking, H.M. 4448, 4449.
 Engelman, D.M. 4229, 4779.
 Engels, W.R. 6287.
 Enger, M.D. 4766.
 England, J.M. 4341.
 England, T.E. 3729, 3747.
 Engleman, D.M. 1896.
 English, K.J. 5952.
 Englund, P.T. 960, 4482.
 Engstrom, A. 5376.
 Engvall, E. 3642.
 Enomoto, C. 1959.
 Enquist, L. 2072.
 Enquist, L.W. 1065.
 Ensinger, W.D. 2950.
 Enzmann, P.-J. 247.
 Epner, E. 5840.
 Epner, S. 3212.
 Eppstein, D.A. 1422, 2211.
 Epstein, R., 2057.
 Epstein, J. 1146.
 Epstein, R. 2788.
 Epstein, W.L. 513.
 Erard, M. 3666, 3672, 4082.
 Erdmann, V.A. 1373, 3445, 4290, 5446, 5704.
 Erele, I. 5775.
 Erenpreiss, J.G. 1775.
 Eri, T. 5549.
 Erickson, R.P. 1625.
 Erikson, E. 1954.
 Erikson, L.C. 1981.
 Erikson, R.L. 231, 232, 1954.
 Eriksson, S. 1167, 3772.
 Erlanger, B.F. 2311.
 Ermakov, A.I. 643.
 Ermatov, A.M. 4788.
 Ermokhina, T.M. 2486.
 Ermolin, S.V. 4125.
 Erni, B. 2600, 2601, 4802.
 Ernst, L. 5450.
 Ernst, S.G. 336, 595, 2651.
 Ernstrom, U. 1007.
 Erokhina, I.L. 466.
 Errera, M. 399.
 Ershov, F.I. 6005.
 Esch, F.S. 2937.
 Eshaghpour, H. 2677.
 Espipova, V.V. 1495, 4969.
 Eskdale, J. 522.
 Eskin, B. 3278.
 Esmaizadeh, A.K. 2489.
 Esnault, R. 2806.
 Esparza, J. 2178.
 Espejo, S., J. 5228.
 Espinosa, M. 1808.
 Esponda, P. 6236.
 Esser, K. 4933.
 Essigmann, J.M. 2561, 4400.
 Esteban, M. 438, 996, 1571, 2142, 4484, 4773, 4864, 5018.
 Estes, M.K. 2907.
 Estrade, S. 1848.
 Esty, A., 387.
 Etaix, E., 112.
 Eto, Y. 5223, 6147.
 Etzold, G. 2939.
 Evangelidis, V. 4756.
 Evangelidou-Tsolis, E. 697.
 Evans, C.H. 3620.
 Evans, G.A. 3470.
 Evans, H.J. 5377.
 Evans, I.M. 4150.
 Evans, J.A. 3370.
 Evans, M.J. 4164.
 Evans, R. 5716.

- Evans, R.M. 941.
Evdokimov, Yu.M. 419, 2185, 3513, 5879.
Evdokimov, Yu. M. 419.
Evdokimov, Yu.M. 5879.
Evdokimova, A.I. 5770.
Evdokimova, K.L. 5657.
Evenson, D.P. 4815, 5681.
Evgen'ev, M.B. 1786.
Evlth, E.M. 34.
Evtushenko, V.I. 2415.
Ewald, R. 775.
Ewen, K. 304.
Ewig, R.A.G. 1026, 4965.
Ewing, W.H. 5041.
Eylan, E. 5053.
Eyring, H. 69, 2946.
Fabisch, P. 5981.
Fabris, N. 2775.
Facchinetti, T. 2446.
Facher, R. 303.
Faalen, M. 3676.
Fahnestock, S.R. 210, 2590, 5615.
Fahr, E. 5426.
Fain, D.L. 6005.
Fairlamb, A.H. 3499.
Faizullin, L.Z. 5167.
Fakan, S. 3669, 4261.
Falaschi, A. 1134, 4559.
Falcão, R.P. 1291.
Falco, E.A. 3343.
Falco, S.C. 6169.
Falcoff, E. 1882, 2510, 4358, 5572.
Falcoff, R. 1882, 2510, 4358, 5572.
Falcon, M.G. 4143, 4163.
Falcone, G. 4032.
Faljoni, A. 4403, 4405.
Falk, L. 345.
Falk, L.A. 1539.
Falke, D. 5216, 5483.
Falkenbaugh, E. M. 1312.
Falkinham, J.O., III 3311.
Falkow, S. 1063, 2712, 3602, 5083, 5979.
Faller, D.V. 2619, 3798, 4187, 4285.
Fallon, A.M. 1998, 2000, 2357.
Famulski, K.S. 5378.
Fan, H. 3690, 3806.
Fan, V.S.C. 1659, 4475.
Fangman, W.L. 4383.
Fannib, A.K. 428.
Fanning, G.R. 957.
Fanning, E. 4577, 5928.
Fanning, G.R. 5041.
Fanning, T.G. 927, 5642.
Fantoni, A. 6273.
Faraggi, M. 4551.
Faras, A.J. 1140, 3298, 3851, 4356, 4582, 4863, 4923, 5093, 6049.
Farber, E. 3665.
Farber, F.E. 1647.
Farber, M.S. 4866.
Fareed, G.C. 4534, 5379.
Farkas, G.L. 524, 1677, 4335.
Farkas, J. 57.
Farley, R.A. 3703.
Farmer, J.J., III 5041.
Farnung, K. 2549.
Farrar, W.L. 5153.
Farrell, D. 314.
Farrell, P.J. 6142.
Farrell, R. 5888.
Farris, D.A. 2211.
Farrugia, G. 4707.
Farsund, T. 2769, 4493, 5141.
Farval, H.N.A. 6039.
Fasano, O. 5647.
Fase-Fowler, F. 2002.
Fasiolo, F. 740, 1885.
Fasman, G.D. 3654.
Fasold, H. 5446.
Fauconneau, G. 2579.
Faust, M. 82.
Fausto, N. 2048, 2494.
Favorova, O.O. 4211, 4768, 4769, 5588.
Favre, M. 944, 5926.
Fayat, G. 739, 4761.
Faye, G. 204.
Fazekas, J. 1009.
Fedoroff, N. 1388.
Fedorov, B.A. 4553.
Fedorov, N.A. 3586.
Fehlman, B.R. 2453.
Fehr, S. 2549, 5626.
Feigelson, P. 2246, 4873, 5730.
Feigenbaum, A. 3969.
Feigin, L.A. 4424.
Feiglin, B. 5138.
Fein, V.J. 1979, 3964.
Feinendegen, L.E. 494, 6038.
Feingold, J. 6047.
Feinstein, S.I. 4364.
Feiss, M. 6000.
Feiss, M.G. 3857.
Feitelson, J. 2084.
Fel', V.Ya. 870.
Felberg, N.T. 587.
Feldkoren, B.I. 5603.
Feldman, L. 6295.
Feldman, G. 5775.
Felicetti, L. 4353.
Felitsina, T.I. 2721.
Felkner, I.C. 1516.
Fellner, P. 3433.
Felsani, A. 190, 1387.
Felsenfeld, G. 2874, 3312, 3509, 4939.
Fendler, J.H. 1324, 2548.
Fennewald, M. 4944.
Fenske, H. 1290, 4075, 4076, 4077, 4639.
Fenster, P.E. 1239.
Fenwick, R.G., Jr. 1145, 3311.
Ferdinand, F.J., 1423.
Ferdinand, F.J. 2634.
Ferezou, J.-P. 721.
Ferguson-Smith, M.A. 1988.
Fernandez-Gomez, M.H. 3288.
Fernandez-Munoz, R. 813.
Fernandez-Pol, J.A. 161.
Fernandez, S.M. 4527.
Ferragut, C. 5043.
Ferraiuolo, R. 190.
Ferranti, A. 115.
Ferrara, M. 2579.
Ferraro, A. 2885.
Ferrer, J.F. 2467.
Ferrerri, L.F. 1581.
Ferretti, J.J. 2355.
Ferrier, L.N. 2265.
Ferrini, U. 1366.
Ferris, J.P. 641.
Ferro, A.M. 2181, 2478.
Feys, L.V. 43.
Fialkovskaya, L.A. 5215.
Fiandt, M. 1993, 5045.
Fiat, D. 138.
Fibach, E. 333, 3933, 5840.
Fiddes, J.C. 3166, 4435, 5898.
Fidy, J. 3338.
Field, C.C. 3857.
Field, R.C. 3575.
Fielden, E.M. 3574.
Felder, J.A. 3783.
Fields, B.N. 1931, 3537, 3538, 6114.
Fields, D.A. 4010.
Fields, S. 5063.
Fieldsteel, A.H. 2358.
Fiers, W. 801, 1139, 3433, 3435, 3535, 3915, 4441, 4444, 4445, 4447, 4828, 5023, 5024, 5677, 5678, 6003.
Fife, K.H. 441.
Figelman, M.L. 870.
Figueras, M.E. 6013.
Figurski, D. 4989.
Fikus, M. 4562.
Filatov, A.V. 3998.
Filchagin, N.M. 5231.
Filimonov, N.G. 144, 4239, 5718.
Filimonov, V.V. 5552, 5567.
Filipchenko, R.E. 327.
Filipowicz, W. 1240.
Filippi, B. 2441.
Filippi, P. 830.
Filippov, S.M. 3514, 6311.
Filippov, V.D. 6293.
Filipski, J. 392, 4060.
Fillingim, C. 2356.
Fimmel, A.L. 1949.
Finamore, F.J. 749.
Finbloom, D.S. 3380.
Finch, J.T. 1766.
Findlay, J.B. 541.
Fine, D.L. 5065.
Fini, C. 78.
Fink, A. 1751.
Fink, G. 3770.
Fink, K. 720.
Finkelstein, A.E. 2781.
Finkelstein, A.V. 1926.
Finkelstein, M. 2015, 4983.
Finney, J.L. 3256.
Finollo, R. 1599.
Firpo, E.J., 196.
Firpo, E.-J. 196.
Firshein, W. 6194.
Fischer, E. 2234.
Fischer, G.W. 3505.
Fishbein, E. 2481.
Fisher, S.H., 2091.
Fisher, J. 4462.
Fisher, P.A. 3630.
Fissekis, J.D. 3725.
Fitch, W.M. 3044.
Fitschen, W. 562, 5656.
Fitzgerald, J.E. 5481.
Fitzgerld, P.J. 2126.
Fitzner, A.B. 6157.
Fixman, M. 1987.
Flamand, A. 4570.
Flanagan, J.B. 563, 990, 2473.
Flangas, A.L. 4858.
Flavell, J.J. 2284.
Flavell, R. 4937.
Flavell, R.A. 970, 1557, 2605, 5827, 5828.
Flavell, R.B. 458.
Flawith, J. 5298.
Fleckenstein, B. 1539.
Fleckenstein, R. 3805.
Fleischer Lambropoulos, H. 4621.
Flemming, J. 3891, 3892, 3901.
Fletcher, G. 2356.
Fleury, A.M., 3675.
Flick, P.K. 3110.
Flickinger, R.A. 5991.
Fliedner, T.M. 5510.
Flint, S.J. 943.
Flock, J.-I. 4473, 6103.
Flores, O. 2157, 2158, 5441.
Florent, G. 3439.
Florentiev, V.L., 1864.
Florentiev, V.L. 133, 3741.
Flores, L. 438, 1571.
Florida, A. 78.
Floyd, W.C. 2942.
Fluke, D.J. 4487.
Fluri, R. 1901.
Fodor, I. 3238, 3995.
Fodor, J.B. 1941.
Fog, R. 3711.
Fogel, M. 6020.
Fogelin, F.J. 4335.
Foldes, I. 2104, 5002.
Foldvary, I. 3338.
Folk, W.R. 4503.
Folkman, J. 3943.
Folkmanis, A. 1222.
Follmann, H. 2117.
Folsome, C. 5571.
Fomenko, L.A., 2042.
Fong, A.P. 5601.
Fong, D.W. 4901.
Fong, K. 3994.
Fong, K.-L. 4240.
Fontagne, J. 6059.
Fontanges, R. 2854, 6215.
Fontes, M. 3302.
Forbes, B.A. 2355.
Forchioni, A. 1854.
Ford, K.M. 1180.
Ford, P.J. 235.
Foret, M. 5432.
Forget, B. 4303.
Forget, B.G. 2631, 4809, 5714.
Forgeur, G. 1419.
Formoso, C. 3372.
Formace, A.J., Jr. 4497.
Fornells, M. 1182.
Forsblom, S. 4446.
Forsby, N. 885.
Forsdyke, D.R. 4480.
Forster, A. 2365.
Fortnagel, P. 1361.
Fortnagel, P. 3778.
Fortner, J.G. 2126.

- Fortyn, K. 1679.
 Fosket, D.E. 3007.
 Fossa, S.D. 892, 1211, 1967.
 Foster, D.N. 2773.
 Fothergill, J.E. 5063.
 Foulds, J. 3762.
 Fourrey, J.-L. 2165, 2166.
 Fouts, D.L. 3181, 3923.
 Fowlkes, B.J. 2675.
 Fox, B.W. 1510.
 Fox, C.F. 628.
 Fox, C.S. 2538.
 Fox, G.E. 260, 794.
 Fox, J.J. 1836, 3343, 3344, 4138, 4702.
 Fox, J.W. 3394, 5613.
 Fox, M. 1604.
 Fox, P.A. 4266.
 Fox, T.O. 5363.
 Fraccaro, M. 1785.
 Fradkin, G.E. 2067, 4504.
 Fraenkel-Conrat, H. 8, 4186, 6184.
 Francisco, J.F. 455.
 Francke, B. 1572, 1577, 1668, 4006.
 Francki, R.I.B. 4805, 4869.
 Frank Kamenetskii, M.D. 1529, 5905.
 Frank, A. 36, 999.
 Frank, H. 2501.
 Frank, J.J. 14, 2435.
 Frank, V. 5353.
 Franke, A.E. 5173.
 Franke, F. 4701.
 Franke, W.W. 4375, 5728, 6262.
 Franklin, M. 3515.
 Franz, A. 4782.
 Franze-Fernandez, M.T. 1119, 3795, 5676.
 Frappa, J. 6215.
 Fraschini, A. 3668.
 Fraser, A.R. 5644.
 Fraser, J.M.K. 2746.
 Fraser, M.J. 6131.
 Fraser, N. 941, 3437.
 Fraser, N.W. 3461.
 Fraser, R.S.S. 3067.
 Frazier, J. 156, 4730.
 Frederick, R.J. 289.
 Fredericq, E. 264, 4086.
 Frederiksen, S. 2604, 4330.
 Freedberg, I.M. 2804, 3212.
 Friedlander, E.F. 4611.
 Freedman, M.L. 2594.
 Freeman, A. 6189.
 Freeman, K.B. 383, 2992, 3374, 5560.
 Freer, S.N. 2276.
 Frei, E., III 2950.
 Freidinger Honegger, J. 5273.
 Freienstein, C. 3015.
 Freifelder, D. 2502.
 Freire, E. 1863, 4202.
 Freire, J.J. 1987.
 Freist, W. 4210.
 French, M.F. 2901.
 Frenkel, G.D. 1579, 4005.
 Frenkel, K. 2968.
 Frenkel, M.A. 1205.
 Fresno, M. 2204, 3023.
 Freude, K.A. 2399.
 Freund, A.M. 3013.
 Freundlich, M. 2902.
 Frey, T.K. 4826.
 Freyssonet, G. 1908, 3399.
 Frez, W.A. 3905.
 Frick, L.J. 4841.
 Friderici, K.H. 3794.
 Fridh, C. 2531.
 Fridland, A. 4188.
 Fridlender, B. 2465, 3571.
 Fridlyanskaya, I.I. 3266.
 Fried, A.H. 5983.
 Fried, M. 2719, 2720, 2752, 3405.
 Friedberg, E.C. 397, 1018, 1593, 3606, 4098, 5117.
 Friedlos, F., 5112.
 Friedlos, F. 1025.
 Friedman-Kien, A.E. 113.
 Friedman, B. 1731.
 Friedman, M.A. 1447, 2784, 3226.
 Friedman, M.E. 5522.
 Friedmann, A. 444.
 Friedmann, T. 3148.
 Friedrich, A. 2928.
 Friello, D.A. 2495, 3237, 6101, 6120.
 Friesel, H. 88.
 Friesen, J.D. 2236, 3385.
 Frihart, C.R. 2523.
 Friis, R.R. 5274.
 Frisby, D.P. 2616.
 Frist, R.H. 3443.
 Fritsch, A. 6115.
 Fritsch, C. 5654.
 Fritz, H.-J. 2960, 2961.
 Fritz, M. 5536.
 Fritz, R.H. 2960.
 Froble, V.L. 4511.
 Froehlich, J.P. 2826.
 Frol'kis, V.V. 3039.
 Frolik, C.A. 239.
 Frolov, L.Yu. 5657.
 Frolova, E.I. 2644, 3831.
 Frolova, L. 2745.
 Frolova, L.Yu. 206, 3037, 3188, 3553, 3580, 3993, 5770.
 Fromant, M. 739, 4761.
 Froshauer, S. 876.
 Frosner, G.G. 3803.
 Fry, K. 971.
 Fu, Q. 5061.
 Fu, Y.L. 5455.
 Fuchs, E. 1346, 4881.
 Fuchs, H. 3708.
 Fuchs, R.P.P. 396.
 Fugassa, E. 559.
 Fuhrman, S.A. 5563.
 Fujii, H. 4897.
 Fujii, N. 2753.
 Fujimoto, D. 3290.
 Fujimoto, M. 527, 581.
 Fujimoto, W.Y. 467.
 Fujimura, R.K. 1719, 1720.
 Fujimura, S. 1886, 2175.
 Fujinaga, K., 6118.
 Fujinaga, K. 1073.
 Fujisaki, Y. 390, 4700.
 Fujisawa, H. 5006.
 Fujishima, T. 528, 581.
 Fujita, H. 5130.
 Fujita, K. 390.
 Fujita, S. 4380.
 Fujita, T. 52, 635, 1258.
 Fujiwara, Y. 1024, 2034, 4496.
 Fujiyama, K. 581.
 Fukasawa, H. 1710, 3621.
 Fukasawa, S. 1297.
 Fukeui, K. 5080.
 Fukuda, K. 4625.
 Fukuda, M. 3683, 4380.
 Fukuda, Y. 4159.
 Fukuhara, H. 5866.
 Fukuhara, S. 4208.
 Fukui, T. 158, 701, 1277, 4168.
 Fukumaki, Y. 521.
 Fukumoto, R. 4042.
 Fukushima, M. 1319.
 Fukuyama, K. 513.
 Fukuzumi, K. 913.
 Fuller, G.L. 318.
 Fulling, R. 4000.
 Fulmer, A.W. 3654.
 Funaguma, T. 2075, 2077.
 Funakoshi, A. 2447.
 Funatsu, G. 5607.
 Funatsu, M. 5607.
 Funderud, S. 5990.
 Furano, A.V. 5808.
 Furedi, M. 4713.
 Furman, P.A. 1829.
 Furth, J.J. 1707, 2445.
 Furth, M.E. 5166.
 Furuhata, K. 642.
 Furuichi, Y. 136, 3063.
 Furukawa, T. 4442, 6007.
 Furuse, K. 3840.
 Furuya, A. 2953, 2954.
 Fуска, J. 864, 5353.
 Fuskova, A. 864.
 Fuster, C.D. 314.
 Fustochenko, B.P. 3003.
 Fyfe, J.A. 1829.
 Fyfe, S. 2819.
 Gaaryan, K.G. 3691.
 Gastra, W. 5207.
 Gabriel, M. 4720.
 Gabrielyan, A.G. 102.
 Gadaleta, M.N. 565.
 Gaddipati, J.P. 984, 2022.
 Gadski, R.A. 3664.
 Gaeke, R.F. 4044.
 Gaetani, S. 216.
 Gaffney, P.T. 5612.
 Gafurov, N.N. 3260.
 Gaggeler, H.P. 4872.
 Gagnon, J. 2208.
 Gagua, A.V. 4980.
 Gahan, P. 511.
 Gahan, P.B. 2516.
 Gahl, W.A. 6133.
 Gait, M.J. 699.
 Gaitskhoki, V. 2745.
 Gaitskhoki, V.S. 1938, 3553.
 Gajdardjieva, K.C. 1437.
 Gajdos, A. 4668.
 Gajewski, A. 2448.
 Gajkowska, B. 1175.
 Galaktionov, V.G. 2660.
 Galankin, V.N. 1445.
 Galas, D.J. 5884.
 Galasinski, W. 2734.
 Galau, G.A. 5670.
 Galebog, G.A. 6068.
 Galin, W. 760.
 Gall, J.G. 1075, 1574, 3922.
 Gallagher, J.F. 1468.
 Gallerani, R. 4737, 4738.
 Galli, M.G. 882, 5824.
 Gallinaro Matringe, H. 2872.
 Gallitelli, D. 5698.
 Gallo, R.C. 1731, 3973, 5722.
 Gallwitz, D. 3485, 4366, 5786.
 Galton, D.A.G. 6216.
 Galushka, F.P. 3152.
 Galvan, L. 4953.
 Galy, J. 64.
 Gambari, R. 6273.
 Gambarini, A.G. 1583.
 Gambino Giuffrid, A. 1133.
 Gamble, C. 5682.
 Game, J.C. 5192.
 Gamper, H.B. 406.
 Gamulin, S. 2216.
 Gander, M. 4831.
 Ganesan, A.T. 1570.
 Ganeshaguru, K. 10, 2100.
 Gang, V. 1090.
 Gangarosa, L.P. 5514.
 Ganguly, R., 5746.
 Ganoza, M.C. 5644.
 Garaeva, L.D. 53.
 Garapin, A.C. 4539.
 Garber, R.L. 3373.
 Garcia, M.L. 1551.
 Gard, G.P. 3799.
 Gardella, R.S. 1735.
 Gardini Attandi, D. 3593.
 Gardner, J.H. 1148.
 Gardner, J.M. 2466.
 Gardner, M.B. 4278, 5931.
 Garduno, R. 878.
 Garel, A. 608.
 Garel, J.-P. 723, 1333.
 Garel, J.-R. 3254, 3255.
 Garfinkel, E. 2464, 4022.
 Gargiulo, A.W. 1628.
 Garkavtseva, R.F. 5770.
 Garlick, P.J. 3424.
 Garner, A. 4683.
 Garner, R.C. 1027.
 Garon, C.F., 638.
 Garrard, W.T., 2886.
 Garrels, J.I. 811.
 Garrett, A.J. 2847.
 Garrett, C. 678.
 Garrett, C.T. 4265.
 Garrett, R. 5608.
 Garrett, R.A. 200, 757, 809, 1352, 1407, 1545, 5568, 5655.
 Garrido, C.A., 5228.
 Garrison, P.N. 3491.
 Garro, A.J. 5865.
 Garssen, G.J. 1792.
 Gart, J.J. 979.
 Gartland, G.L. 1838.
 Gartner, C. 3208.
 Gartner, L.P. 6219.
 Garvik, B. 3453.
 Garvin, R.T. 1654.

- Garzia, A., 5441.
Garzia, A. 2157.
Garzillo, A.M. 4550.
Gasaryan, K.G., 144, 4457.

Gasaryan, K.G. 371, 1412, 2487, 5718.
Gasiar, E. 2852.
Gasparini, J. 587.
Gasparyan, G.G. 5127.
Gasperi-Campani, A. 1889.
Gassen, H.G. 1310, 1839, 2186, 5473, 5475.
Gast, W.H. 3418.
Gatava, J. 5204.
Gatica, M. 1339.
Gattoni, R. 2872.
Gaubatz, J.W. 1187, 3250.
Gaudemer, A. 5462.
Gaur, B.K. 3471.
Gauri, K.K. 1293.
Gausung, K. 852.
Gautier, F. 5174, 6123.
Gautieri, R.F. 6057.
Gautschi, J. 6268.
Gautschi, J.R. 4478.
Gautschi, M. 6002.
Gavazzini, G. 589.
Gavinii, F. 5043.
Gavrilovskaya, I.N. 998, 4774.
Gawron, M.C. 3239.
Gazaryan, K.G. 266.
Gazyev, A.I. 2042.
Geacintov, N.E. 3501.
Geballe, A.P. 5294.
Gedamu, L. 4819.
Geder, L. 6013.
Geelen, J.L.M.C. 5013.
Geerdes, H.A.M. 1326.
Geerdes, H.S.M. 4797.
Gehrke, C.W. 175, 846, 4697, 5445.
Geider, K. 2615, 6308.
Geiduschek, E.P. 2823, 5249.
Geiduschek, E.P. 2829.
Geiger, R. 166.
Geiger, L.E. 4505.
Geiser, M. 3415.
Geisler, N. 1801.
Geisselsoder, J. 2711, 3532.
Geissler, E. 2848.
Gelagutashvili, E.S. 3868.
Gelb, E. 1104.
Gelboin, H.V. 1975, 5856.
Gelfand, D.H. 2728, 3980.
Gelfand, R. 3038.
Gelinas, R.E. 248, 549, 1102.
Gellert, M. 2858.
Gelman, I. 6194.
Genchev, D.D. 661, 662.
Genest, D. 153.
Gening, L.V. 952, 2421, 3617.
Genot, A. 2227.
Genth, E. 2479.
Gentry, G.A. 5507.
Gentry, M.K. 2933.
Gentsch, J. 1456.
Georgadze, I.I. 2305.
Georgatatos, J.G. 2429.
George, A.L. 5474.
George, J. 6156.
George, Y. 1743.

Georgiou, S. 9, 2149.
Georgiev, G.P. 1241, 2644, 3831, 5060, 5741.
Georgieva, I.D. 2128.
Georgopoulos, C.P. 6000.
Gepts, P. 2646, 5692.
Geraldese, C.F.G.C. 3730.
Gerard, G.F. 5224, 5269.
Gerasimenko, L.M. 1852.
Gerasimova, G.K. 1832.
Gerber, M. 4022.
Gerendai, I. 857.
Geri, C. 129.
Gericke, D., 5557.
Gerin, J.L., 5290.
Gerits, J. 6122.
Gerling, D.A. 2765.
Gerlinger, P. 3811.
Germanyuk, Y.L. 1345.
Germershausen, J. 6229.
Germond, J.-E. 5019, 6279.

Gerner, E.W. 3216.
Gerodetti, M.H. 3603.
Gershowitz, A. 3047, 5754.
Gerwin, B.I. 867.
Geschke, B. 3605.
Gesteland, R. 2303.
Getz, M.J. 557, 3042.
Getz, S. 1022.
Geuens, G. 6211.
Gevaudan, M.J. 359.
Gevens, W. 340.
Gevorkyan, Z.G. 5774.
Gezelius, G. 229.
Ghabrial, S.A. 4833.
Ghani, Q.P. 4736.
Ghanta, V.K. 2052.
Ghendon, Y. 3807.
Ghendon, Yu.Z. 5255.
Gholipour-Khalili, K. 2321.
Ghora, B.K. 2625.
Ghosai, D. 3160, 3325.
Ghose, S. 951.
Ghosh, A. 1585, 2765.
Ghosh, D. 426.
Ghosh, H.P. 5791.
Ghosh, P.K. 5029.
Ghysdael, J. 5792, 5806.
Giacomello, A. 573.
Giacomoni, P.U. 430, 553.
Gianfranceschi, G.L. 862.
Giangrande, G. 5629.
Giannelli, F. 2035.
Gibas, Z. 5816.
Gibb, L. 1703.
Gibbs, A. 2658.
Gibbs, J.H. 1986.
Giblett, E.R. 2469.
Gibson, B.R. 3575.
Gibson, R.E. 5119.
Gichner, T. 4502.
Giege, R. 2568, 4273, 5569.
Giesen, M. 1373.
Gigioni, B. 861.
Gil, R. 5299.
Gilbert, W., 4460.
Gilbert, S.F. 2001.
Gilbert, S.G. 903.
Gilboa, E. 3456.
Gilden, R.V. 5819, 5931, 6051.

Giles, A.B. 272.
Gilham, P.T. 4037.
Gill, G.N. 2382.
Gillam, I.C. 4193.
Giller, S.A. 1819.
Gillespie, D. 5722.
Gillette, R.W. 1049.
Gillham, N.W. 1850.
Gilliam, J.N. 6233.
Gillis, E. 801, 1139.
Gillis, M. 5040.
Gillum, A.M. 1398, 1877, 3144.
Gilmartin, M.E. 3212.
Gilmour-Hebert, M. 3081.
Gilmour, R.S. 6264.
Gilyazetdinov, Sh.Ya. 1488, 5973.
Gimaudinova, O.I. 698.
Gimenez-Martin, G. 3288.
Gimenez, I.B. 3494.
Ginder, G.D. 4939.
Gineitis, A.A. 3659, 5315, 6243, 6248.
Giner-Sorolla, A. 5488.
Ginevkaya, V.A. 4914.
Gingeras, T.R. 4546.
Ginjaar, H.B. 4801.
Gintsburg, A.L. 2821.
Ginzburg, V. 3807.
Giorgi, L. 129.
Giorginis, S. 1355.
Giotta, G.J. 3355.
Gioud, M. 4047.
Giovanninetti, G. 115.
Girard-Globa, A. 4221.
Girard, M. 625.
Giraud, M.-M. 5350.
Girbes, T. 1374, 1375.

Giri, L. 1353, 4782, 4783.
Girshovich, A.S. 3414, 3416.
Gissmann, L. 1537, 5929.
Gitelman, A.K. 2645, 4049.
Giuditta, A. 190.
Giuffrida, A.M. 3190.
Giulotto, E. 4501, 5260.
Giumanini, A.G. 4961.
Givens, J.F. 4714.
Givol, D. 5063.
Gjerset, R.A. 2094.
Gjika, H.B. 2171.
Gladchenko, G.O. 3898, 4413, 4416, 5881.
Gladilin, K.L. 2391.
Glanville, N. 1467.
Glaser, D.A. 3189.
Glaser, G. 2072.
Glaser, R. 1421.
Glasgow, L.A. 1299, 2192, 5555.
Glazer, R.I. 3727, 4141, 6180.
Glazko, A.J. 2534, 5482.
Gleason, F.K. 3638.
Gledhill, B.L. 1178, 2307, 2308.
Glenn, R.K. 1452.
Glezers, V. 3892.
Glick, J.M. 4758.
Glick, K. 1740.
Glickman, B. 5433.
Glinis, V. 2636.

Glock, H. 1950.
Glotov, B.O. 4073, 5302, 6241.
Glover, S.W. 1697.
Glukhova, M.A. 222, 4800.
Glusker, J.P. 154.
Gluzman, Y. 1652, 2575.
Gnedoy, S.N. 925.
Gniazdowski, M. 5578.
Gnucheve, E.Y. 2014.
Gnutchev, N.V. 3780.
Go, G. 5732.
Gobacheva, L.B. 2458.
Goddard, J.P. 3313, 4197, 4671, 5717.
Godeau, J.-M. 4207.
Godefroy-Colburn, T. 4803.
Godet, J. 522.
Godson, G.N. 2714, 2715, 2749, 3166, 4435.
Goebel, W. 2087, 3198, 4987, 5833, 6098.
Goeddel, D.V. 6119.
Goelz, S. 772.
Goenaga, A. 1917.
Goetz, G. 2489.
Goff, C.W. 1737.
Goff, S.P. 2716, 2717, 3599.
Gofstein, L.V. 5308.
Goh, S.H. 2189, 2190.
Gohda, A. 3643.
Gokcen, M. 883.
Gol-Winkler, R. 488, 1021, 5116.
Gol'dberg, E.Z. 6079.
Golankiewicz, B. 4171.
Golankiewicz, K. 61, 656.
Golberg, I.H. 5853.
Goldbach, R.W. 448.
Goldberg, E.B. 2799.
Goldberg, R. 3403.
Goldberg, R.B. 2008, 4469, 4849.
Goldberg, S. 270, 3841.
Goldberger, R.F. 2603, 2647, 3078.
Goldblatt, D. 4063.
Goldblum, A. 38.
Goldblum, N. 2148.
Goldblum, R.M. 584.
Goldenberg, C.J. 1370.
Goldfarb, D.M. 2410.
Goldford, M. 2251.
Goldknopf, I.L. 2901.
Goldman, A.S. 584.
Goldman, I.D. 1830.
Goldschmidt-Clermont, M. 5759.
Goldschmidt, R. 2911, 3311.
Goldschneider, I. 570.
Goldson, H. 1624.
Goldstein, D.J. 2672.
Goldstein, L. 4817.
Golebiowska, J. 4398.
Golini, F. 1404.
Gollakota, K.G. 1035.
Gollnick, F.A. 1507.
Golovin, S.Y., 5666.
Golovin, S.Y. 4795.
Golovinsky, E.V. 44.
Goltermann, N. 2226.
Golub, E.I. 5169.
Golubev, W.I. 3547.

- Golubeva, R.V. 3259.
 Goman, M. 6162.
 Gomas, P.J. 3076, 5739.
 Gomes, I. 1316.
 Gomez-Eichelmann, M.C. 2726.
 Gomez, G.A. 2841.
 Gomez, R. 5810.
 Goncez, E. 6004.
 Gonda, M.S. 6005.
 Gonda, T.J. 5701.
 Goniass, S.L. 3130.
 Gontcharoff, M. 4634.
 Gonzales, A. 3023.
 Gonzales, L.W. 5815.
 Gonzalez, F.J. 4265.
 Gooch, P.C. 4646.
 Goodfellow, M. 3172, 3544, 3545.
 Goodgal, S. 1650.
 Goodgame, D.M.L. 4155, 5414.
 Goodgame, M. 62.
 Goodin, L.J. 5107.
 Goodman, D. 6229.
 Goodman, D.B.P. 5818.
 Goodman, H.M. 372, 837, 1564, 1662, 2011, 3185.
 Goodman, M.F. 2058.
 Goodman, R.M. 949, 3852, 4286, 5691.
 Goodrich Purnell, L. 5401.
 Goodwin, D.C. 5883.
 Goodwin, G.H. 1192, 1763, 3661, 4089, 5317, 6257.
 Goodwin, P. 4677.
 Goorha, R. 2577.
 Goossen, J.T.H. 5525.
 Gopalakrishna, K. 1013.
 Gopalakrishnan, T.V. 5069.
 Gopalan, H.N.B. 2744.
 Gopinathan, K.P. 2512, 4196.
 Gorach, G.G. 2587.
 Gorbacheva, L.D. 2660.
 Gorbalenya, A.E. 6307.
 Gorbunova, E.E. 4774.
 Gordon, J. 1902, 3415, 5711.
 Gordon, J.I. 2603, 2647, 3078.
 Gordon, J.L. 2173.
 Gordon, M. 3971.
 Gordon, M.E. 3459.
 Gordon, M.P. 790, 828, 4982, 5180.
 Gordon, R.B. 1147.
 Gordon, R.L. 5910.
 Gordon, V.C. 3299.
 Gorduz, V. 2524.
 Gore, N.R. 5585.
 Gorea, C. 2524.
 Gorecki, M. 1688, 5272.
 Gorel, F.L. 5313.
 Goricic, L. 5669.
 Gorenstein, C. 1905.
 Gorenstein, D.G. 541.
 Gorga, F. 121.
 Goriunova, S.V. 1852.
 Gorlenko, Z.M. 2456.
 Gornicki, P. 3722.
 Gorokhovskaya, V.I. 1264.
 Gorozhanin, P.P. 2486.
 Gorska-Bryllass, A. 6237.
 Gorski, J. 239, 1945, 6017.
 Gortz, T. 2670.
 Goryukhina, T.A. 4903.
 Goryunov, A.N. 417.
 Gosden, C. 2898.
 Gosden, C.M. 456.
 Gosden, J.R. 456, 2898, 4465.
 Gossard, F. 2442.
 Goswami, D.N. 3877.
 Goswami, T. 3479, 3480, 3481, 6063.
 Got, A. 3825.
 Goto, H. 2833, 2834.
 Goto, M. 4968.
 Goto, N. 3219.
 Goto, T. 2167, 5464.
 Gotoh, O. 3164, 5064, 5857.
 Gottsfeld, J.M. 1200, 5327, 6263.
 Gottikh, B. 3874.
 Gottikh, B.P. 3780, 5599.
 Gottlieb, A.A. 6193.
 Gottlieb, D. 3852.
 Gottlieb, M. 3708.
 Gotz, A. 1234, 5557.
 Gough, R.E. 1169.
 Gould, A.R. 258, 3444.
 Gould, H. 341.
 Goulian, M. 812.
 Goutier, R. 488, 1021, 4909, 5116.
 Goydash, M.M. 1345.
 Goz, B. 4711.
 Grabczewska, E. 4297.
 Grabowska, M. 281.
 Grachev, M.A. 5836, 5902.
 Grachev, S.A. 421, 3529.
 Grade, K. 3824, 4615.
 Grady, L.J. 4300.
 Graef, P.R. 3491.
 Graf, U. 3314.
 Grafstrom, R.H. 1074.
 Gragerov, A.I. 2821.
 Graham, B.J. 3168.
 Graham, D.E. 4940.
 Graham, D.G. 5262.
 Graham, F.L. 1642, 6010.
 Graham, M.Y. 4840.
 Grainger, R.M. 2007.
 Gram Jensen, E. 4330.
 Granata, G. 325.
 Grand, A. 5470.
 Grandchamp, C. 5953.
 Grandgenett, D.P. 1140.
 Grankowski, N. 2852.
 Granner, D. 3109, 5769.
 Granoff, A. 2577, 4868.
 Granot, J. 138.
 Granstrom, H. 1563.
 Grant, D.M. 4839.
 Grant, P.G. 5629.
 Grantham, C.A. 5776.
 Grantham, G.L. 4887.
 Graslund, A. 4973.
 Grasmuk, H. 779, 1378.
 Grasso, P. 2392.
 Grau, O. 5676, 6048.
 Graves, P.V., 5587.
 Graves, D.C. 2467.
 Graves, H.E. 2979.
 Graves, P.N. 1475.
 Graves, P.V. 5261.
 Gray, C.P. 2345.
 Gray, D.A. 2197.
 Gray, D.M. 3512, 3528, 3548.
 Gray, E.D. 3753.
 Gray, H.B., Jr. 2430, 4561.
 Gray, M.W. 5565.
 Gray, P.W. 1935.
 Grba, S. 4852.
 Greaves, M.F. 2100.
 Grebtsova, L.B., 2660.
 Greco, M. 2636.
 Grecz, N. 1690, 3975.
 Green, B.R. 1491.
 Green, D.C. 4266.
 Green, M. 1475, 1578, 2836, 4373, 5155, 5269, 5660.
 Green, M.H. 3462.
 Green, R.C. 1680.
 Green, R.W. 2665.
 Greenberg, B. 1107.
 Greenberg, D.B. 2782.
 Greenberg, G.R. 1006, 990, 2473.
 Greene, J.J. 1963.
 Greene, P.J. 6155.
 Greene, R.C. 4218.
 Greenfield, L. 5179.
 Greenleaf, A.L. 1712.
 Greenman, B. 780.
 Greenstein, D. 4021.
 Greer, S. 3349, 5504.
 Gregg, J.M. 6160.
 Gregoire, K.E. 570.
 Gregoire, R.J. 3716.
 Gregoli, S. 1298.
 Gregory, D.A. 950.
 Gregory, M.R. 4556.
 Gregory, P.B. 4144.
 Gregory, S.P. 821.
 Greil, W. 599.
 Greiling, H. 5620.
 Grell, R.F. 3248.
 Gren, E.J. 827, 3096.
 Gren, E.Ya. 3580.
 Grenader, A.K. 758, 759.
 Gresik, E.W. 1844.
 Gressel, J. 4345, 4346.
 Gressner, A.M. 5620.
 Greve, J. 3680, 3681.
 Grewal, R.S. 5411.
 Gribanov, V.A. 3096.
 Grierson, D. 272, 374, 1678, 2737, 4375.
 Griesser, H. 665.
 Griffin, B.E. 2718, 2719, 2720.
 Griffin, G.D. 5667.
 Griffith, D.R. 1581.
 Griffith, D.W. 760.
 Griffith, J.D. 3151.
 Griffith, J.K. 3070.
 Griffiths, E. 2198.
 Griffiths, K. 2286.
 Griffiths, T.D. 6033.
 Grigg, G.W. 2931.
 Griggs, B.G. 705, 4975.
 Grigliatti, T.A. 4193.
 Grigorjeva, S.P. 4945.
 Grigorjeva, M.B., 3301.
 Grill, L.K. 3028.
 Grilli, S. 2177, 4961.
 Grimm, H. 891.
 Grindley, N.D.F. 3918.
 Grinev, A.N. 643.
 Grineva, N.I. 327, 698, 1866, 2585, 4230.
 Grinsted, J. 5889.
 Gripenberg, M. 3642.
 Grippo, P. 566, 1133.
 Griscelli, C. 2850.
 Grishchenko, V.M. 546.
 Grist, R.W. 1743.
 Grisvard, J. 129.
 Gritz, L.R. 2275.
 Grivell, L.A. 2626, 3990.
 Grobner, W. 2155.
 Grobstein, C. 1242.
 Grohmann, K. 4304.
 Grokhovskiy, S.L. 5877.
 Grokhovskiy, S. 3874.
 Grolle-Hey, A.H. 282.
 Grollman, A.P. 6171.
 Groman, N. 2712.
 Gromkova, R. 1650.
 Gromov, P.S. 1183, 3297.
 Gromova, E.S. 2555, 2972.
 Gronenborn, B. 517, 5906.
 Groner, B. 1394, 3071.
 Groner, Y. 256, 2352, 3456.
 Gronow, M. 4620.
 Gronowitz, S. 1823.
 Groot, C. 2671.
 Groot, G.S.P. 963.
 Grootegeed, J.A. 282.
 Gros, F., 4654.
 Gros, F. 271, 359, 1387.
 Groscurth, R. 3732.
 Grose, C. 1150.
 Grosjean, H. 2989, 3755.
 Grosjean, H.J. 2986.
 Gross, C. 2423.
 Gross, C.A. 1806.
 Gross, F. 2632.
 Gross, H.J. 4289, 4301, 5695, 5749.
 Gross, P.R. 4150, 4842.
 Gross, S. 2130.
 Gross, V. 596.
 Grosse, G. 3016.
 Grossi, G. 1666.
 Grossi, G.F. 418.
 Grossman, L. 3611, 3612, 3613.
 Grote, W. 2774.
 Grotzinger, K. 4513.
 Grouse, L.D. 373, 2268, 3475.
 Grover, P.L. 5859.
 Grube, D.D. 1982, 4663, 4974.
 Gruca, S. 6181.
 Gruenwedel, D.W. 4432.
 Gruissner, W. 3306.
 Grujic, S. 2299.
 Grummt, F. 865, 2558.
 Grummt, I. 317, 865.
 Grunberg-Manago, M. 2583, 5381.
 Grunberger, D. 1973, 2968, 5797.
 Grundboeck, M. 3496.
 Grundmann, U. 3056.
 Grundy, J.A. 4406.
 Grunert, F. 4591.
 Grushin, A.A. 5975.
 Grutzmann, H., 3040.
 Grutzmann, H. 3188.

- Gruzdev, A.D. 5351, 6234.
 Gryczan, T.J. 3904.
 Grzesiuk, E. 849.
 Grzeskowiak, K. 4167.
 Gualerzi, C. 775, 1912.
 Guantieri, V. 2621, 5698.
 Guarente, L.P. 2820.
 Guarneri, C. 3296.
 Gubbins, E.J. 4985.
 Gubenko, I.S. 1786.
 Gubler, U. 5158.
 Gudauskas, R.T. 1538.
 Gudding, R. 3644.
 Gudim Levkovich, K.A. 2407.
 Gudkov, A.T. 756.
 Guenzi, D. 837.
 Guérineau, M. 1076, 5951.
 Guern, N. 3591.
 Gueron, M. 1875, 5382.
 Guerrier Takada, C. 2989.
 Guertin, M. 379.
 Gugerli, P. 2260.
 Guglielmi, L. 862.
 Guha, A. 2082, 5940.
 Guha, S. 215.
 Guiditta, A. 5380.
 Guigues, M. 4183.
 Guild, W.R. 2412.
 Guilfoyle, T.J. 4015, 5253.
 Guille, E. 129.
 Guillemaut, P. 1336.
 Guillen, N. 3675, 3864.
 Guillely, H. 2565, 3810, 5694.
 Guimont-Ducamp, C. 4811.
 Guitton, Y. 3825, 4347.
 Gukovskaya, A.S. 2556, 3736, 3737.
 Gukovsky, I.Y. 3737.
 Gulati, P.K. 3844.
 Gulewicz, K. 4204.
 Gulik, A. 3013.
 Gulyaev, N.N. 1279, 2572, 4768.
 Gulyaeva, V.I. 164.
 Gulyas, A. 1677.
 Gumenyuk, L.I. 6082.
 Gumilevskaya, N.A., 4786.
 Gumilevskaya, N.A. 3398.
 Gunnarsson, R. 860.
 Gunning, P.W. 280, 308, 309, 2293.
 Gunsalus, I.C. 5888.
 Guntaka, R.V. 5014.
 Gunther, K. 1512.
 Gunther, R. 2326, 2760, 4492.
 Gunther, U. 1741.
 Gupta, G. 1524, 3149, 3740.
 Gupta, K.C. 560.
 Gupta, N.K. 225, 778, 2602, 5648.
 Gupta, R.C. 540.
 Gupta, S. 3425.
 Gupta, S.R. 647, 4571.
 Gurari-Rotman, D. 1315.
 Gurdon, J.B. 2908, 4313, 4538, 5383, 6125.
 Gurevich, A.I. 3522.
 Gurevich, A.Z. 6143.
 Gurgo, C. 3315.
 Gurley, L.R. 2880, 3674.
 Gurney, T., Jr. 4810.
 Gursky, G. 3874.
 Gursky, G.V. 3682.
 Gurtoo, H.L. 3138, 5876.
 Guschlbauer, W. 677, 2702, 4176, 4177, 4417.
 Guseinov, F.T. 358, 2391.
 Gusenkova, N.M. 3736.
 Gushcha, K.P. 512.
 Gussek, D.J. 4099.
 Gustafsson, P. 5081, 5084.
 Gut, C. 2250.
 Gutensohn, W. 586.
 Guthrie, C. 2562, 4195.
 Gutin, P.H. 1979, 3964.
 Gutter, B. 915.
 Guttman, S. 1576.
 Guzman, N.A. 4235.
 Gvozdev, V.A. 2507.
 Gwozdz, E. 3618.
 Gwynne, D.I. 3068.
 Haars, R. 1711.
 Haas, J. 1896, 3014.
 Haase, A.T. 830.
 Habarova, M.I. 165.
 Haber, J.E. 1904, 3453, 3648.
 Habermann, P. 3519.
 Hachtel, W. 2508.
 Hackeng, W.H.L. 3112.
 Hackett, P.B. 1472, 1857, 2304, 3465, 4305, 4922.
 Hackstadt, T. 2540.
 Hadden, C.T. 2025, 2063, 5942.
 Hadden, J.W. 554.
 Hadi, S.M. 2317.
 Hadidi, A. 4870.
 Hadjioloff, A.I. 4333.
 Hadjiolov, A.A. 217, 1437, 2638, 2680, 2982, 3366.
 Hadley, K.H. 5576.
 Haegeman, G. 3435, 3535, 4828, 5677.
 Haenni, A.-L. 3075.
 Haertle, T. 1334.
 Haffner, M.H. 5720.
 Hageman, T.C. 4279.
 Hagemann, W. 2479.
 Hagen, F.S. 5672, 5733.
 Hagen, U. 1253, 1724, 3208.
 Hagenbuchle, O. 4296.
 Hager, D. 2423.
 Hagiwara, A. 3955.
 Hagiwara, M. 1099, 1689.
 Hagopian, H.K. 1047, 2640.
 Hahlbrock, K. 3113.
 Hahn, B.-S. 2926.
 Hahn, B.H. 1171.
 Hahn, F.E. 3318.
 Hahn, V. 3040, 3188.
 Hahn, W.E. 261, 4804.
 Hahne, S. 1167.
 Haidarliu, S.H. 859.
 Haidle, C.W. 4951.
 Haindl, E. 1840.
 Hakam, A. 6205.
 Hakim, G. 3633, 3634.
 Haldenwang, W.G. 2396.
 Hale, P. 1705, 1984.
 Halfer, C. 1785.
 Haljas, V.L. 3837.
 Hall, S. 5168.
 Hall, B.D. 1662.
 Hall, G. 1641.
 Hall, L. 5158.
 Hall, N.E.L. 369, 4948.
 Hall, R.M. 5952.
 Hall, T.C. 5559, 5799.
 Hall, W.W. 5688.
 Hallberg, R.L. 202, 2275.
 Halldorsson, H. 2197, 4677.
 Hallick, L.M. 5311.
 Halling, S.M. 6168, 6170.
 Hallows, R.C. 1031.
 Halpern, R.M., 1181.
 Halpern, A. 5460.
 Halpern, J. 3239.
 Halvorson, H.O. 4932, 6081.
 Hamada, M.-A., 5743.
 Hamana, K. 5339.
 Hamann, H. 4076.
 Hamberger, A. 3190.
 Hame, E. 3731.
 Hamelin, C. 3251, 5099.
 Hamer, D.H. 4534.
 Hamers, R. 6239.
 Hames, B.D. 1392.
 Hamill, W.D., Jr. 4839.
 Hamilton, F.D. 3512.
 Hamilton, M.G. 4815.
 Hamkalo, B.A. 5346.
 Hamlett, N.V. 429.
 Hamlin, J.L. 3136, 5997.
 Hammer-Jespersen, K. 447.
 Hammer-Raber, B. 179.
 Hammerling, U. 5152.
 Hamor, T.A. 5476.
 Hampel, A.E. 4766.
 Han, A. 5870.
 Han, S.S. 1429.
 Hanafusa, H. 1932.
 Hanania, N. 5067.
 Hanawalt, P. 2742.
 Hanawalt, P.C. 6132.
 Hanberg, F.A. 4546.
 Hancock, R. 5331.
 Hancock, R.L. 730.
 Hand, R. 476, 6006.
 Handa, H. 995, 1073.
 Hande, K.R. 2849.
 Handschack, W. 5963.
 Hanel, A.M. 5258.
 Hanggi, U.J. 5835.
 Hanks, C.T. 5136.
 Hanna, S.D. 1746.
 Hannoun, C. 5689.
 Hanschmann, H. 4088.
 Hansen, F.G. 2397.
 Hansen, J.B. 4941.
 Hansen, S. 2410.
 Hanson, M.R. 4456.
 Hanson, R.W. 1961.
 Hanss, M. 6150.
 Hantke, K. 2234.
 Harada, K. 3316.
 Harada, T. 70.
 Harbott, J. 2768.
 Hardin, J.W. 5238, 5747.
 Harding, J.D. 1461.
 Harding, N.E. 4657.
 Hardman, N. 4392, 5950.
 Hardt, N. 4026.
 Hardy, S.J.S. 3011.
 Harel, J. 1555, 4458, 5067.
 Harford, A.G. 966.
 Hargrove, J. 3109.
 Hari, V. 4775.
 Hariharan, P.V. 6035.
 Harkess, N.K. 5886.
 Harmon, S.A. 4839.
 Harms, E. 803, 4905.
 Harnden, D.G. 1233.
 Harnish, B.W. 1074.
 Haroz, R.K. 1159.
 Harper, J.D. 1538.
 Harper, J.M.M. 4884.
 Harpold, M.M. 1549, 2730.
 Harrai, K.R. 5489.
 Harrap, K.R. 1270, 1843.
 Harrington, D.G. 2978.
 Harrington, R.E. 3525.
 Harris-Warrick, R.M. 3604, 3989.
 Harris, C.C. 906, 4962.
 Harris, C.L. 4759.
 Harris, J. 6017.
 Harris, J.D. 3533.
 Harris, J.R. 2394.
 Harris, J.S. 5757.
 Harris, M.B. 315.
 Harris, M.G. 638, 646.
 Harris, R.L.N. 3335.
 Harris, T.J.R. 1403, 4280.
 Harris, W.J. 3267, 3268.
 Harrison, B.D. 3541, 3647, 5702.
 Harrison, S.C. 932, 5912.
 Harrison, T.A. 6204.
 Harron, A. 4676.
 Hart, R.W. 2028, 2029, 2697, 5119.
 Hartl, D.L. 5812.
 Hartl, W. 2479.
 Hartley, B.S. 183, 2202, 5590.
 Hartley, J.W. 3169.
 Hartman, F.C., 4271.
 Hartman, G.D. 3332.
 Hartman, J.R. 189.
 Hartman, K.A. 4287.
 Hartman, P.G. 5309.
 Hartmann, B. 3022.
 Hartmann, G. 3601, 6094.
 Hartmann, G.R. 4012, 4566.
 Hartmann, H. 2087.
 Hartmann, H.A. 5658.
 Hartung, M. 2310, 6127.
 Hartwick, R.A. 76.
 Hartwig, M. 1511, 2338, 4081.
 Harvan, D.J. 149.
 Harvengt, C. 1639.
 Harvey, R. 2205.
 Harvey, R.G. 5858.
 Hasegawa, R. 3955.
 Haseltine, W.A. 2618, 4279, 4837, 5689, 5924.
 Hashida, T. 1321.
 Hashimoto, E. 1190.
 Hashimoto, K. 390, 5743.
 Hashimoto, S. 3054.
 Hashimoto, T. 41.
 Haskell, T.H. 5486, 5526.
 Haskins, E.F. 5132.
 Hasnain, S. 760, 2215.
 Hass, J.R. 149.

- Hassell, J.A. 252.
 Hastie, N.D. 3027.
 Hastings, J.R.B. 2491.
 Hastings, K.E.M. 1100.
 Hasuma, T. 4636.
 Hasunuma, K. 2016, 4544.
 Hata, T. 132, 5428, 5531.
 Hatanaka, M. 1735, 6051.
 Hatano, H. 1853, 2969, 4152.
 Hatfield, G.W. 4762, 5574.
 Hattata, T. 4805.
 Hattman, S. 3276.
 Hattori, M. 156, 1255, 4119, 4968.
 Haugen, H.F. 1160.
 Haugli, F. 5990.
 Haun, M. 4403.
 Hauschreck-Jungen, E. 5812.
 Hausen, P. 5254.
 Hauser, H. 2296.
 Hauswirth, W.W. 441.
 Havell, E.A. 863.
 Hawirko, R.Z. 3967.
 Hawkes, G.E. 676.
 Hawkins, R.A. 1031.
 Hawkins, R.B. 5843.
 Hawkins, S.E. 2300, 3272, 4337, 4889.
 Hawley, D.M. 4037.
 Hawley, R.J. 6096.
 Hawley, S.A. 919.
 Hay, A.J. 3326, 3440, 4284.
 Hay, J. 4006.
 Hayaishi, O., 1319.
 Hayaishi, O. 3655, 4594.
 Hayakawa, R. 4977.
 Hayase, E. 6152.
 Hayashi, H. 1185.
 Hayashi, J. 5064.
 Hayashi, K. 904, 2075, 2077, 4610, 4897.
 Hayashi, N. 3055.
 Hayashi, T. 323.
 Hayashi, T.T. 4100.
 Hayashi, Y. 4806.
 Hayashida, S. 5104, 5106.
 Hayes, C. 6104.
 Hayes, F. 276.
 Hayes, L.C. 1923.
 Hayes, S. 6104.
 Haylett, T. 2580.
 Haynes J.W. 2398.
 Haynes, R.H. 5206.
 Hays, M.T. 161.
 Hayward, R.S. 2819.
 Hayward, W.S. 799, 1932.
 Hazen, M.W. 1782.
 Hearn, R.A. 55.
 Hearn, T.F. 1942.
 Hearst, J.E. 2699, 3142, 3449, 3504, 4272, 4402, 5311.
 Heasley, S. 3569.
 Heberling, R. 5819.
 Hecht, A. 5850.
 Hecht, N.B. 314.
 Hecht, R. 1793.
 Hecht, R.M. 5939.
 Hecht, S.M. 3317.
 Hechtman, R. 1953.
 Hecker, E. 88.
 Hecker, L.I. 1877, 1878.
 Hecker, M. 3094.
 Heckman, J.E. 1878, 2612.
 Heczko, P. 3172.
 Hedgpeth, J. 6107.
 Hedrick, S. 3949.
 Heffron, F. 5979.
 Heggeness, M.H. 609.
 Hegner, D. 5506.
 Hehemann, D.G. 3723.
 Heidbreder, M. 124.
 Heidelberg, C. 1050.
 Heidländ, A. 1090.
 Heidrich, J.E. 1460.
 Heilmann, L.J. 886.
 Heinaru, A.L. 4426.
 Heincz, M.C. 3236.
 Heine, U. 2620.
 Heinemeyer, E.-A. 3261.
 Heinen, E. 6083.
 Heiniger, H.-J. 2409.
 Heinrich, P.C. 596.
 Heizmann, P. 2278.
 Hejtmancik, J.F. 3421.
 Held, I.R. 1124.
 Held, K.D. 5872.
 Held, W.A. 1468, 3027.
 Helene, C. 900, 3742, 4181.
 Helentjaris, T. 3765.
 Helfman, W.B. 4025.
 Helinski, D.R. 461, 5124, 6097.
 Hell, A. 4635.
 Heller, K. 4219.
 Hellermann, G.R. 486, 3270.
 Hellman, A. 1384.
 Hellmann, G.M. 5662.
 Hellmann, W. 197, 4234.
 Hellung-Larsen, P. 2604, 4330.
 Helms, C. 4087.
 Helmstetter, C.E. 3858, 2015.
 Helmuth, R. 5168.
 Helsing, D.R. 4989.
 Hemleben, V. 374, 2737, 4375.
 Hemmer, H. 3117.
 Hemminki, K. 5709.
 Henco, K. 3441.
 Henderson, A.R. 6029, 6031.
 Henderson, E. 999.
 Hendler, S.S. 4025.
 Hendrick, D. 1772.
 Hendricks, M.B. 4856.
 Hendrickson, S. 2974.
 Henikoff, S. 820.
 Henle, W. 885, 5364.
 Henneberg, P. 6038.
 Hennecke, H. 743.
 Hennings, H., 1038.
 Hennings, H. 2777.
 Henri, J. 511.
 Henry, D.W. 5844.
 Henson, J.M. 2356.
 Henson, P. 4461.
 Herak, J.N. 650, 725.
 Heras, A. 5121.
 Herbert, E. 1474, 2306.
 Herbrink, P. 219.
 Heredia, C.F. 3420, 4798.
 Hereford, L. 3448.
 Hereford, L.M. 3546.
 Herendeen, S.L. 3766.
 Herken, H. 2248.
 Herken, R. 2248.
 Herman, C. 2666.
 Herman, C.J. 2675.
 Herman, T.M. 886.
 Hernandez, F. 773.
 Herr, W. 2622.
 Herrick, G. 4454.
 Herrlich, P. 3107.
 Herrmann, R. 3240.
 Herrmann, R.G. 5071.
 Hershberger, C.L. 3563.
 Hershey, H.V. 1635, 1636.
 Hershey, J.W.B. 2233, 2237, 2598.
 Hershey, J.W.R. 5381.
 Hershey, N.D. 3490.
 Hershfield, M.S. 2520.
 Hertman, I. 4427.
 Herzberg, M. 4246.
 Herzfeld, F. 2736.
 Herzog, M. 5361.
 Hespell, R.B. 2539.
 Hess, D. 1723, 3594.
 Hess, G. 5290.
 Hessler, R.A. 3024.
 Hesslewood, I.P. 2840, 4027.
 Heumann, W. 3154, 3155, 4428.
 Hewick, R.M. 2205.
 Heyland, S. 2547.
 Heyn, M.P. 2943.
 Heyneker, H.L. 2704, 6155.
 Heyns, W. 338, 3004, 5795.
 Heyting, C. 2004, 2006.
 Heywood, S.M. 2247.
 Hiai, S. 856.
 Hiatt, J.L. 6219.
 Hiatt, W.R. 2302.
 Hickey, E.D. 4545, 4723.
 Hickman, F.W. 5041.
 Hidaka, H. 2879.
 Hiepe, F. 3040.
 Hierholzer, J.C. 3438.
 Hieter, P.A. 14.
 Higashi, A. 2384, 3567.
 Higashikawa, T. 1024, 4496.
 Higgins, N.P. 395, 2038, 4590, 5294.
 Higgins, T.J.V. 2259, 4224.
 Highfield, P.E. 4323, 4912.
 Higo, K., 764.
 Higuchi, M. 1259.
 Higuchi, S. 636, 1626, 5149.
 Hilbers, C.W. 1326, 1792, 4797.
 Hildebrand, C.E. 2880.
 Hildebrandt, A. 2097, 4013.
 Hilder, V.A. 821.
 Hill, B.T. 1129, 2452.
 Hill, C.W. 1074.
 Hill, J.B. 4124.
 Hill, J.M. 243, 5514.
 Hill, W.E. 3657.
 Hillar, M. 1471, 2611.
 Hillel, Z. 6172.
 Hillen, W. 1839, 2186, 5473, 5475.
 Hillenbrandt, G. 5914.
 Hillman, B.S. 1074.
 Hillman, D.G. 4809, 5714.
 Hilmas, D.E. 2978.
 Hilse, K. 2581.
 Hilton, A.L. 2537.
 Hilton, J. 1979, 3964.
 Hiltz, H. 2478, 4179.
 Hindley, J. 1526.
 Hingerty, B. 1989, 4731.
 Hink, W.F. 2028, 2029.
 Hinks, R.P. 6075.
 Hinnebusch, A.G. 3542.
 Hino, S. 1401, 3241.
 Hinshaw, D.B. 5493, 5494.
 Hintz, C.J. 5495.
 Hinz, H.-J. 788.
 Hipkens, J. 3138.
 Hipkin, C.R. 3726.
 Hiraga, A. 4614.
 Hirai, A. 195.
 Hirai, K. 997.
 Hirakawa, A.Y. 693.
 Hiramot, R.N. 2052.
 Hirano, K. 5855.
 Hirano, N. 1401.
 Hirao, N. 538.
 Hirashima, A. 3840.
 Hirokawa, H. 1528, 1640.
 Hirose, M. 5337.
 Hirose, S. 2436, 3381.
 Hirota, K. 50, 3344, 5424.
 Hirota, Y. 1997.
 Hirs, C.H.W. 2083.
 Hirsch, F.W. 1923, 3791.
 Hirsch, J. 1739.
 Hirsch, K.S. 5430.
 Hirschbein, L. 3675, 3864.
 Hirschman, S.Z. 2464, 4022.
 Hirst, W. 2608.
 Hirth, H.M. 2750.
 Hirth, L., 4273.
 Hirth, L. 3810, 5361.
 Hishinuma, F. 4041, 4453.
 Hiskey, R.G. 4556.
 Hitz, H. 199.
 Hitzeman, R.A. 5258.
 Hixon, S. 4399.
 Hizi, A. 3487.
 Hladik, J. 3069.
 Hlanz, R.M. 236.
 Ho Terry, L. 128.
 Ho, Y.K. 5557.
 Hoagland, M.B. 4206.
 Hobbs, J.B. 1381.
 Hobden, A.N. 1910.
 Hobom, G. 4430.
 Hoch, J.A. 6121.
 Hochkeppel, H.-K. 1934.
 Hodes, M.E. 1104.
 Hodge, L.D. 4830.
 Hodgson, D.J. 1281, 5401, 5406.
 Hodnett, J.L. 4561.
 Hodo, H.G. 3625.
 Hoejmakers, J.H.J. 3499.
 Hoekstra, W.P.M. 2066.
 Hoerz, W. 1777.
 Hoessli, D.C. 1059.
 Hoet, P. 2378.
 Hofecker, G. 4491.
 Hofemeister, J. 1085, 1589.
 Hofer, E. 4325.
 Hofert, J.F. 1286.
 Hoffbrand, A.V. 10, 2100.
 Hoffman, D.J. 2290.
 Hoffman, J. 2423.
 Hoffman, N.E. 1856.

- Hoffman, S. 1694, 4185.
Hoffmann, M.E. 4403.
Hoffmann Berling, H. 1226.
Hoffmann, E.M. 1464.
Hoffmann, M.E. 4405.
Hoffmann, M.K. 5152.
Hoffmann, S. 714.
Hofmann, K. W. 3897.
Hofmann, S. 816.
- Hofschneider, P.H. 517, 1142, 4433, 4472, 5274, 5364.
Hofstaetter, T. 4390, 4610.
Hogan, J.J. 5706.
Hogan, M. 3143.
Hogenauer, G. 3229, 3308, 3601, 4744, 6094.
Hogenkamp, H.P.C. 4130.
Hogenkamp, P.C. 2938.
Hohn, T. 3692.
Holbrook, D.J., Jr. 3575.
Holder Franklin, M.A. 3515.
Holdsworth, R.N. 4648.
Holland, C.A. 1550.
Holland, I.B. 5943.
Holland, L.E. 4281.
Hollander, V.P. 4401.
Hollatz, R. 5115.
Hollenberg, C.P. 5955.
Hollenberg, D.H. 4138.
Hollenberg, M. 4736.
Hollender, R. 2232.
Holler, E. 179.
Hollingsworth, M.J. 5109.
Holloman, W.K. 2685, 2686.
Holloway, B.W. 3518.
Holmans, P. 4984.
Holmes, A.M. 2840, 4027.
Holmes, B.N. 4686.
Holmes, R.P. 3564.
Holoubek, V. 2871, 5300, 5324.
Holowczak, J.A. 1571, 2142, 4484, 4864, 5018.
Holstein, S.B. 3407.
Holt, G.L. 869.
Holtén, D. 4807.
Holtz, G.W. 3953.
Holtz, J. 4770.
Holtzer, H. 4021.
Holy, A. 4705, 5474.
Honda, M. 4594.
Honda, Y. 3734.
Honegger, U.E. 77.
Honest, R.W. 11.
Hong, C.I. 3713.
Hong, S.-J. 2331.
Hongo, M. 2766, 5106.
Honigman, A. 1993, 1995.
Honjo, T. 2659.
Honma, Y. 2297.
Hoogeveen, J.T. 161.
Hooper, A.B. 4776.
Hooton, J.W.L. 10.
Hopkins, A. 3532, 5908.
Hopkins, N. 2619, 3798, 4187, 4285.
Hopkins, R.B. 6253.
Hopper, A.K. 4756.
Hopper, J.E. 4537.
Hopwood, D.A. 4990.
Horak, I. 755, 768, 3397.
- Horer, O.L. 787.
Hori, H. 3404.
Hori, M. 5854.
Hori, Y. 2085.
Horikawa, M. 1598.
Horinouchi, S. 1695, 2789, 5831.
Horisberger, M.A. 4910.
Horitsu, H. 5223, 6147.
Horiuchi, K. 431, 3290, 5944.
Horiuchi, S. 4140.
Horiuchi, T. 2143.
Horiuchi, Y. 3643.
Horn, D. 514.
Horn, G. 3892.
Horodyski, F. 4241.
Horoszewicz, J.S. 5271.
Horowitz, O. 278.
Horowitz, J. 4753.
Horowitz, M. 291, 3800.
Horowitz, S. 5936.
Horrobin, D.F. 3348.
Hortebusch, H.H. 5435.
Horvath, I. 2104.
Horwitz, M.S. 275.
Horwitz, S.B. 5845, 5846.
Hoschek, G. 4849.
Hoshino, T. 1695, 2789.
Hosli, P. 2109, 2850.
Hosoda, J. 3680, 3681.
Hosoi, J. 203, 4233.
Hosokawa, M. 4614.
Hotta, Y. 3559, 4656.
Hotz, G. 1751.
Houdebine, L.-M. 3079, 4357.
Hough Evans, B.R. 336.
Houghton, M. 454.
Hourcade, D. 3560.
Hourdy, J. 3202, 3233.
Hours, C. 2061.
Houslay, M.D. 6214.
Housman, D. 1052, 4809, 5714.
Houweling, A. 1642.
Hovanessian, A.C. 1317.
Hovanessian, A.G. 3367.
Hovemann, B. 2117.
Hoving, H. 1078.
Howard-Flanders, P. 2792, 2793, 3243.
Howard, F.B. 156, 157.
Howard, J.C. 4103.
Howe, C.C. 624.
Howell, J.R. 2812.
Howell, S.B. 2950.
Howell, S.H. 2278, 5035, 5095.
Howes, M. 3958.
Howk, R.S. 2241.
Hoytaya, A. 1189.
Hozumi, M. 2297.
Hozumi, N. 4679.
Hrabetova, E. 288.
Hradec, J. 3008, 3422, 4225.
- Hradecna, Z. 1272, 2332, 4408.
Hrebabecky, H. 2940.
Hruby, D.E. 194, 2147, 4732.
Hruska, F.E. 3735, 5400, 5474.
Hruska, J.F. 4564.
Hsiao, C.L. 427.
Hsieh, T. 2699.
Hsiung, H.M. 4728.
- Hsu, I.-C. 3985.
Hsu, I.C. 4962.
Hsu, I.N. 3979.
Hsu, J.Ch. 2911.
Hsu, M. 2818.
Hsu, T.C. 1201, 2630.
Hsu, T.W. 3808.
Hu, A.W. 2133.
Hu, S. 1930.
Hu, S.S.F. 254, 2381, 2518.
Hua, S., 4993.
Huang, A.S. 628, 2915.
Huang, A.T. 2295.
Huang, B. 2213.
Huang, C. 1900.
Huang, C.-W. 790.
Huang, C.-Y. 3423, 3649.
Huang, E.-S. 3974, 4019, 5022, 6116.
Huang, G.-F. 158, 2941, 4717.
Huang, P.C. 2489, 4486, 6056.
Huang, P.H.T. 2033.
Huang, R.C.C. 2274.
Huang, Y.-S. 4019.
Huang, Y.M. 381.
Huart, R. 6086, 6087, 6090.
Huber, C.P. 109.
Huberman, J.A. 1034, 1052, 2746, 3126, 4164.
Hubert, E. 2973, 4366, 4917, 4919, 5786, 5792.
Hubert, J. 5466.
Hubner, H. 2138.
Hubscher, U. 3495, 5265.
Hucul, J.A. 3858.
Hudepohl, G. 1948.
Hudson, W.R. 3088.
Hudson, J.B. 5298, 5735, 6001.
Hudspeth, M.E.S. 2008.
Huebner, K. 4644.
Huebner, R.J. 4824.
Huez, G. 2973, 3072, 4366, 4917, 5786.
Huffman, J.H. 5495, 5515.
Huget, T. 4470.
Hughes, A. 3771.
Hughes, B.G. 6085.
Hughes, C. 3159.
Hughes, D.G. 4299, 4671.
Hughes, J.V. 3005.
Hughes, M. 4340, 4515.
Hughes, V. 3159.
Hughes, W.L. 6294.
Hui Bon Hoa, G. 2583.
Hui, F.W. 5768.
Huisman, O. 3676.
Hulbert, P.B. 4406.
Hulevs'kyj, A.K. 6071.
Hulhoven, R. 1639.
Hulin, N. 3476.
Hull, R. 5035, 5095.
Hull, S.C. 2911.
Hull, W.E. 676.
Hultin, T. 4362, 5649.
Humayun, M.Z. 2790, 2934.
Humbert, J. 5994.
Huml, K. 5403, 5404, 5405.
Humphrey, J.H. 5364.
Humphreys, G.O. 3520.
Humphreys, J. 2198.
Humphries, P. 5196, 5910.
Hung, P.P. 4653.
- Hunger, H.-D. 3040, 3058, 3452.
- Hunt, J.W. 4726, 5867.
Hunt, R.E. 1153.
Hunt, T. 1469.
Hunter, J. 5655.
Hunter, R. 4123, 5437.
Hunter, T. 811, 1572.
Huppertz, J.L. 3335.
Hurlbert, R.B. 1434.
Hurley, C.K. 1179.
Hurley, L.S. 5430.
Hurst, A. 3771.
Hurst, D.T. 45, 48.
Hurwitz, J. 462.
Hurwitz, M.Y. 6217.
Huseby, R.A. 2773.
Huskey, R. 5181.
Hutchison, W.L.B. 108.
Hutchings, A. 2173.
Hutchinson, D.W. 4.
Hutchison, C.A., III 5900.
Hutchison, J.S. 4807.
Hutchison, W.M. 1483, 2669.
Huth, A. 4844.
Lutt, H.M. 3200.
- Hutter, K.-J. 2670, 3492, 5989.
- Huttermann, J. 653, 1840, 5425.
- Hutton, J.R. 420.
Huynh-van-Tan 4603.
Hwang, D.L.R. 4271.
Hwang, J.S. 1874.
Hyafil, F. 3760.
Hyatt, J.A. 4122.
Hyde, J.E. 3504.
Hyden, H. 1450.
Hykes, D.L. 1506.
Hyman, R.W. 5031.
Hynes, N.E. 1394, 3071.
- I'Haya, Y.J. 5549.
Iatrou, K. 4819.
Ibayashi, H. 2447.
Ibel, K., 3014.
- Ibragimov, A.P. 398, 5774.
Ibragimov, A.P. 398.
Ibrahim, N.G. 2594.
Ichihara, A. 3784.
Ichikawa, T. 5402.
Ichikizaki, I. 1099, 1689.
Ichimura, S. 377.
Ide, T. 5766.
Idriss Ali, K.M. 4683.
Ienaga, K. 5408.
Igarashi, K. 2436, 3381.
Igel, H.J. 6037.
Iglói, G.L. 4767.
Ignazzitto, G. 2627.
Igo-Kemenes, T. 599.
Iguma, H. 2417.
Ihara, S. 1451.
Ihle, J.N. 1730.
Ihler, G. 2710, 5011.
Iida, H. 2753.
- Iida, S. 988, 5903.
Iino, T. 2092.
Iitaka, Y. 25, 642, 5402, 6146.

- Ike, Y. 63.
Ikeda, H. 558.
Ikeda, N. 913.
Ikeda, Y. 6024.
Ikegami, M. 6184.
Ikehara, M. 139, 158, 701, 1277, 3715, 3734, 4042, 4128, 4168.
Ikemura, T. 2357, 3304.
Ikenaga, M. 1611.
Ikezawa, Z. 552.
Ikushima, T. 1215, 2021.
Ikuta, H. 3364.
Il'Duganova, N.A. 4795.
Il'icheva, I.A. 415, 920, 3510.
Il'in, K.V. 3913, 4437.
Ilduganova, N.A. 4329.
III, C.R. 2382.
Iltis, J.P. 434, 435.
Ilyashenko, B.N. 5157.
Ilyin, Yu.V. 5060.
Imaeda, T. 4533.
Imahori, K. 2074, 3734.
Imaizumi, M.-T. 4264.
Imaji, M. 2143.
Imamoto, F. 4877.
Imaseki, H. 564, 574.
Imbach, J.-L. 3347.
Imoh, H. 3656.
Imoto, T. 1853.
Imura, H. 4921.
Inamine, J.M. 2703.
Indyk, V.M. 512.
Infante, A.A., 1900.
Infante, A.A. 2635.
Inge-Vechtomov, S.G. 4791.
Ingle, J. 1567.
Ingles, C.J. 2460.
Ingram, A.J. 2392.
Ingram, V. 4608.
Ingram, V.M. 1047, 1762, 2640, 4627.
Innis, M.A. 1395, 2219, 4355.
Innocenti, A.M. 3307.
Inoue, A. 4636.
Inoue, I. 3714.
Inoue, M. 2911.
Inoue, T. 1030, 1673.
Inouye, M. 5707.
Inselburg, J. 3386, 5170.
Inui, S. 4490.
Inuzuka, M. 5124.
Inuzuka, N. 4682.
Invernizzi, F. 589.
Ion, V. 3845.
Ip, C. 3273.
Ipata, P.L. 4032.
Ipata, P.L. 4131.
Iqbal, J. 1616.
Irbe, R.M. 1656.
Irgens, R.L. 3857.
Irie, M. 1095, 2085, 2813, 4558, 5225.
Irlina, I.S. 5985.
Irvin, A.D. 4693.
Irvin, J.D. 4792.
Irving, C.C. 2688.
Irwin, C.A. 2356.
Is'o, P.O.P. 1963.
Isaeva, L.V. 576.
Isaksson, L.A. 5589.
Isaksson, M. 1563.
Isemura, T. 4380.
Isenberg, I. 6253.
Ishaq, M. 5074.
Ishay, J. 3257.
Ishida, N. 590.
Ishigami, M. 3763.
Ishiguro, K. 5748.
Ishihama, A. 1116.
Ishii, S. 4877.
Ishikawa, H. 322, 1410, 4900.
Ishikawa, H.A. 5823.
Ishikawa, K. 63, 866, 5823.
Ishikura, H. 5562.
Ishio, S. 5348.
Ishiwata, K. 3743.
Ishizu, M. 3728, 4148.
Ishizuka-Kobayashi, M. 3614.
Islam, M.N. 4094.
Ismailov, E.M. 398.
Isomaa, V. 1120.
Isono, K. 1247, 4112.
Israel, M.A. 6080.
Israeli, R. 2232, 3026.
Israeli, Yu.A. 3153.
Itai, A. 25.
Itkin, B.Z., 4936.
Itkin, B.Z. 2051.
Ito, H. 1099, 1689, 5549.
Ito, J. 3827, 4657, 5888.
Ito, K. 2092.
Ito, N. 3955, 4565.
Ito, T. 2154, 2316, 2945.
Itoh, N. 342.
Itoh, T. 764, 2858.
Ittel, M.E. 539.
Itzhaki, R.F. 4635.
Ivanenko, T.V. 1617.
Ivanik, B.P. 3259.
Ivanov, B.E. 2152.
Ivanov, I.G. 457, 4452.
Ivanov, L.L. 4768.
Ivanov, S.D. 4369.
Ivanov, V. 4419.
Ivanov, V.B. 3122.
Ivanov, V.I. 3867, 3889, 5222.
Ivanova, G.S. 2080, 2509, 2808, 5210, 6137.
Ivanova, V.T. 4049.
Ivanovic, V. 3501.
Ivanovskaya, M.G. 1301.
Ivashchenko, A.V. 1818.
Ivasyuk, L.A. 958.
Iversen, O.H. 4493.
Ives, D.H. 2105.
Iwadare, N. 1600.
Iwahara, S. 2414.
Iwahashi, H. 1816, 2529.
Iwai, K. 1767, 5339.
Iwama, M. 2085, 2813.
Iwamoto, T. 4935.
Iwasaki, K. 226, 1383, 1915, 2239, 4253.
Iwasaki, M. 3483.
Iwata, K. 4208.
Iwatsuki, N. 2110.
Iyer, V.N. 3596.
Iynedjian, P.B. 1961.
Iyobe, S. 3331.
Izard, D. 5043.
Izui, S. 2863, 2864.
Izuo, M. 4928.
Jack, P.L. 5950.
Jackle, H. 4821, 4899.
Jackson, D.A. 3199.
Jackson, E.N. 3165, 3199.
Jackson, J. 1937, 5277, 5841.
Jackson, J.F. 5122.
Jackson, S.F. 383.
Jacob Stocker, A. 6296.
Jacob, F. 271, 2632.
Jacob, H.-E. 1588.
Jacob, M. 2872.
Jacob, S.T. 1118, 3750, 4722, 5384.
Jacob, T.M. 2934.
Jacobi, J.M. 6016.
Jacobs, K.A. 2292.
Jacobs, M. 6087.
Jacobson, A. 3786.
Jacobson, E.L. 4116.
Jacobson, G.R. 223.
Jacobson, J., 12.
Jacobson, K.B. 2990, 5579.
Jacobson, M.K. 4116.
Jacoby, G.A. 4995.
Jacq, B. 2629.
Jacq, C. 967.
Jacques, Y. 181.
Jacquet, M. 271, 2632.
Jacrot, B. 5700.
Jaehning, J.A. 1708, 1709, 2640.
Jaffe, E.K. 2180.
Jaffe, E.S. 1729, 2675.
Jafri, A.K. 2243.
Jagadeeswaran, P. 1397, 2560.
Jagendorf, A.T. 5651.
Jagodzinski, L.L. 4059.
Jagtiani, S.K. 1883.
Jaguchi, H. 5252.
Jahangir, M. 4406.
Jahn, G. 2875.
Jahn, H. 586.
Jain, K. 2170.
Jain, N.B. 5423.
Jain, P.C. 647.
Jain, S.C. 707, 708, 903, 5882.
Jain, S.K. 3835.
Jain, V.K. 3953.
Jakob, H. 271, 2632.
Jakob, K.M. 5340.
Jakowlew, S.B. 1459.
Jakubowski, H. 174, 733, 3383.
Jalliffier-Verne, M. 3061.
Jalouzet, R. 4634.
James, A. 3161.
James, E. 2344.
James, M.N.G. 108, 3979.
Jami, J. 6276.
Jamjoom, G.A. 3631.
Jamrich, M. 1711, 1712.
Janakidevi, K. 4020.
Janakirama Sarma, B. 353.
Janczur, C. 5760.
Janda, I. 976, 1947.
Jandieri, K.M. 1771.
Jandova, Z. 2420.
Janeway, C.M. 1292.
Janik, B. 2191.
Janion, C. 2174.
Jank, P. 4289, 5695.
Jankowski, A. 697.
Jankowski, K. 3902.
Janne, O. 1120.
Janossy, G. 2100.
Janot, M.M.-M. 1285.
Jansen, R.T.P. 1799.
Jansing, R.L. 6254.
Jansone, I. 3096.
Janss, D.H. 3128.
Janssens de Varebeke, P. 1873.
Jansz, H.S., 4431.
Jansz, H.S. 5355.
Jardine, N.J. 3291.
Jarvis, B.D.W. 957.
Jaskunas, S.R. 1998, 1999, 2000, 2062, 2513.
Jaspars, E.M.J. 788.
Jaureguierry, G. 2073.
Javich, M.P. 3843.
Jay, F.T. 1872, 1880.
Jayaraman, K. 5726.
Jayme, D.W. 5582.
Jaynes, E.N., Jr. 5629.
Jaynes, R.A. 782.
Jean, J.-H. 4442, 6007.
Jeanteur, P. 2873, 4604, 4811, 5301.
Jedlicki, E., 6128.
Jee, S. 1394.
Jeeves, I. 5414.
Jeffery, S. 4889.
Jeffery, W.R. 2122.
Jeffreys, A.J. 970, 1557.
Jeggio, P. 2026.
Jekowsky, E. 170.
Jelen, F. 3895.
Jelinek, W. 5716.
Jelinek, W.R. 974, 4467.
Jemmali, M. 5600.
Jendrisak, J. 4015.
Jendrisak, J.J. 5253.
Jeng, Y.-H. 1578.
Jenkins, J.A. 3979.
Jenkins, N.A. 4365, 4602.
Jenkins, T.C. 5243.
Jenns, S.M. 3935, 4003.
Jensen, D.E. 898.
Jensen, L. 6099.
Jensen, M.A. 3700, 3701.
Jerger, D.E. 3886.
Jerrina, D.M. 4963.
Jerkofsky, M.A. 5504.
Jernigan, H.M., Jr. 3405.
Jernstrom, B. 1501.
Jessop, J.J. 3408, 3409.
Jesudason, M.L. 906.
Jilek, G. 1142, 5274.
Jilka, R. 1475.
Jilka, R.L. 3108.
Jimenez, A. 3023.
Jiranova, A., 976.
Johanisson, E. 347.
John, H.A. 879, 880.
Johns, E.W. 1192, 1763, 2491, 3661, 4089, 5317, 6257.
Johns, K.W. 62.
Johnsen, M. 5174.
Johnson, A. 4093.
Johnson, A.E. 5643.
Johnson, B.E. 3211.
Johnson, D. 3508.
Johnson, D.E. 5246.

- Johnson, E.M. 2360, 4068.
 Johnson, E.S. 469.
 Johnson, G.G. 5249.
 Johnson, J.L. 422, 5046, 5049.
 Johnson, J.R. 4218.
 Johnson, K.G. 760.
 Johnson, L.A. 1147.
 Johnson, L.D. 334, 554, 832, 3502.
 Johnson, L.F. 192, 2974.
 Johnson, M.A. 3142.
 Johnson, N.P. 3360.
 Johnson, P.F. 5563.
 Johnson, R.G. 5107.
 Johnson, R.K. 685.
 Johnson, R.M. 583.
 Johnson, R.N. 2812.
 Johnson, R.T. 2040, 4409, 6034.
 Johnson, T.C. 3005.
 Johnson, W. 5781.
 Johnson, W.C., Jr. 1282.
 Johnsrud, L. 3917.
 Johnston, B.H. 3142.
 Johnston, D.A. 6303.
 Johnston, I.R. 2840, 4027.
 Johnston, J.B. 5888.
 Johnston, L.H. 5192.
 Johnston, M.H. 5297.
 Johnston, P.B. 473.
 Johnston, P.D. 1332.
 Joho, R.H. 4351.
 Jolley, W.B. 5493, 5494.
 Jonard, G. 1406, 3810, 3811.
 Jonas, D. 825.
 Jonas, S.G. 45.
 Joncas, J.H. 6116.
 Jonen, H.G. 4967.
 Jones, R.A., 2960.
 Jones, A.H. 2459.
 Jones, A.P. 1059.
 Jones, A.S. 1825.
 Jones, B.B. 1665, 1992, 6108.
 Jones, B.R. 4143, 4163.
 Jones, C. 5960.
 Jones, C.E. 593.
 Jones, C.J. 441, 4449.
 Jones, C.R. 5566.
 Jones, D.S. 1872, 1880.
 Jones, G.H. 669.
 Jones, I.G. 1558.
 Jones, I.K. 858.
 Jones, K.R. 5890.
 Jones, K.W. 880, 2735.
 Jones, R.A. 2961.
 Jones, R.E. 120, 5797.
 Jones, R.F. 3660.
 Jones, R.L. 2312.
 Jones, R.W. 2039, 4637, 4638.
 Jonkman-Bark, G. 2141.
 Jordan, B.R. 2262, 2629.
 Jordanov, J. 4170.
 Jorgensen, N.H.F. 4998.
 Jorgensen, P. 956, 5174.
 Jorgensen, R. 4992, 6102.
 Jorgensen, S.T. 5892.
 Jorstad, C.M. 1046.
 Jose, J.G. 6028.
 Joshi, P.C. 641.
 Joshi, V.C. 1363.
 Jost, E. 2485.
 Jost, J.-P. 3034, 3468, 4310.
 Jouanin, L. 4470.
 Jouin, P. 2165, 2166.
 Jourdan, R. 2629.
 Jovin, T.M. 348.
 Judewicz, N.D. 2218.
 Jukes, T.H. 922.
 Julien, R. 4209, 5584.
 Jun, H. K. 3636.
 Junakovic, N. 4459.
 Jund, R. 1831.
 Jungmann, R.A. 1706, 2461.
 Jungwirth, C. 3258, 5135, 5605, 5749.
 Juraskova, V. 1615.
 Jurka, J.W. 2739.
 Jurnak, F. 777, 2599.
 Juvenal, G.J. 4514.
 Kaalhus, O. 1211, 1967.
 Kaariainen, L. 834, 3076, 5739.
 Kaback, D.B. 4932.
 Kabanova, N.K. 1372.
 Kabat, E.A. 6091.
 Kabsch, W. 3418.
 Kabzinska, E. 529.
 Kacew, S. 2050.
 Kacinski, B.M. 2916.
 Kaczmarczyk, W. 4066.
 Kada, T. 1030, 1673, 2414, 6023.
 Kading, J. 3598.
 Kado, C.I. 2466, 4527, 4996.
 Kadykov, V.A. 419, 3513.
 Kadyrova, D.A. 5624.
 Kadysh, V. 3699.
 Kaeher, M. 1435.
 Kaempfer, R. 2232, 3026.
 Kaesberg, P. 1470.
 Kafatos, F.C. 791, 2631.
 Kaffenberger, W. 5728.
 Kagan, Z.S. 2080, 2808.
 Kagemoto, A. 155.
 Kageyama, M. 3600.
 Kagrammanova, V.K., 3446.
 Kagrammanova, V.K. 143.
 Kahan, L. 2598.
 Kahl, G.F. 4967.
 Kahl, R. 4967.
 Kahmann, R. 934, 2059, 3906, 5010.
 Kahn, D. 739.
 Kahn, M. 4989, 5908, 6097.
 Kainova, A.S. 2673.
 Kaiser, I.I. 715.
 Kaiser, W. 3354.
 Kaji, A. 5074.
 Kajiwara, K. 3728, 4148.
 Kajtar, M. 5543.
 Kakefuda, T. 2318.
 Kakiuchi, N. 158, 701, 4168.
 Kakunaga, T. 1611.
 Kaldykov, V.A. 4623.
 Kalica, A.R. 4832.
 Kalinin, V.N. 5167.
 Kalinina, N.A. 2421.
 Kallenbach, N.R. 13, 3183, 3793, 4174, 4727.
 Kallenberg, C. 2405.
 Kallio, A. 1042.
 Kallos, J. 4401.
 Kalmakoff, J. 1385.
 Kalney, V.S. 5946.
 Kalthoff, K. 4821.
 Kalyaeva, E.S. 2456.
 Kam, S.K. 3130.
 Kamalay, J.C. 4849.
 Kamekura, M. 3252.
 Kamen, R. 2284, 2752, 3832.
 Kamenova, S.V. 3207.
 Kamijo, S. 4897.
 Kamikubo, T. 2833, 2834.
 Kamilov, F.K. 1849.
 Kamine, J. 2663.
 Kaminir, L.B., 1675.
 Kamiya, M. 3150.
 Kamp, D. 934, 2059, 3906, 5010.
 Kamra, O.P. 6086, 6090.
 Kan, N.C. 5900.
 Kanayama, K. 5479.
 Kancheva, L. 4333.
 Kanda, F. 1174.
 Kandel, J.S. 4256.
 Kandrac, J. 2299.
 Kanduc, D. 5564.
 Kandutsch, A.A. 2409.
 Kane, S.M. 3380.
 Kane, W. 4825.
 Kanehisa, T. 789.
 Kaneko, I. 785.
 Kaneko, M. 139, 654.
 Kaneko, T. 2335.
 Kanesaka, Y. 1095.
 Kang, J. 3663.
 Kang, T.W. 3975.
 Kann, H.E., Jr. 4497.
 Kanska-Brudzynska, K. 631.
 Kanungo, M.S. 3292, 5306.
 Kao-Huang, Y. 627.
 Kao, S. 2563.
 Kaper, J.M. 3809, 4287, 4352, 4816, 5697.
 Kapikian, A.Z. 4832.
 Kaplan, A.M. 6100.
 Kaplan, D. 1980.
 Kaplan, D.A. 5179.
 Kaplan, H. 2215.
 Kaplan, J.-C. 4588.
 Kaplan, J.C. 4645, 5108, 6019.
 Kaplan, J.G. 2483.
 Kaplan, L.M. 275.
 Kaplan, N. 2779.
 Kaplan, N.O. 5530.
 Kaplan, P.M. 5290.
 Kaplan, S. 3375, 3813.
 Kappen, L.S. 5853.
 Kaptein, J.S. 3516.
 Kapuscinski, J. 350.
 Karabashyan, L.V. 1686.
 Karagezyan, E.G. 4879.
 Karam, J. 1714.
 Karamov, E.V. 550, 2721, 4440, 4542.
 Karasaki, S. 6220.
 Karataev, G.I. 930, 3524, 5897, 5901.
 Karavanov, A.A. 3035.
 Karawajew, K. 4075.
 Karawajew, L. 4075, 4076.
 Karenina, T.I. 4050.
 Karimov, M. 2681.
 Karimova, D.Yu. 4808.
 Kariya, B. 4518.
 Karlen, L. 5820.
 Karlson, P. 4485.
 Karlstrom, H.O. 5174.
 Karlstrom, O. 1167.
 Karmali, R.A. 3348.
 Karmazyn, M. 3348.
 Karn, J. 2884.
 Karnovsky, M.L. 5280.
 Karp, V.K. 1820.
 Karpeisky, M.Ya., 1686, 6143.
 Karpeisky, M.Ya. 1096, 2536, 3609, 5222.
 Karpetsky, T.P. 14.
 Karpova, G.G. 1866, 4230.
 Karpova, G.I. 2486.
 Karran, P. 395, 2038, 3204.
 Karska-Wysocki, B. 1068.
 Karwowska, U. 4191.
 Karyagina, I.Y. 3301.
 Kaschka Dierich, C. 345.
 Kaschula, V.R. 937.
 Kascak, R.J. 251.
 Kaska, W. 5841.
 Kaska, W.C. 5277.
 Kasprisin, D.O. 315.
 Kass, L.B. 1454.
 Kasschau, M.R. 1048.
 Kastelein, R.A. 4294.
 Kastori, R. 2299.
 Kastrop, R.V. 1841.
 Kasubuchi, Y. 72, 660.
 Kasupski, G.J. 125, 6006.
 Kaszen, I. 5941.
 Katakami, T. 100.
 Kataoka, T. 2659.
 Kates, J. 2906, 6306.
 Kato, F. 2766, 5104, 5106.
 Kato, H. 1030, 5820.
 Kato, T. 2024, 2027.
 Kato, Y. 41.
 Katsumata, T. 1382.
 Katsura, I. 3692.
 Katz, E. 2023.
 Katz, E.J. 3962.
 Katz, E.R. 4818.
 Katz, J. 1446.
 Katze, J.R. 719.
 Kauc, L. 1669.
 Kaufman, E.R. 681.
 Kaufmann, G. 2017, 2349.
 Kaufmann, G.K. 5980.
 Kaulenas, M.S. 1144, 595, 4226.
 Kaulinya, L.T. 1819.
 Kaumeyer, J.F. 4365, 4602.
 Kaur, S. 5726.
 Kawahara, A. 329, 3092.
 Kawai, K. 2315.
 Kawakami, K. 5479.
 Kawakami, M. 1451, 4749.
 Kawakita, M., 2076.
 Kawakita, Y. 1002, 6064.
 Kawalec, M. 2448.
 Kawamura, F. 1531, 3827.
 Kawamura, K. 2154, 2945.
 Kawamura, M. 1259, 4508.
 Kawano, S. 5988.
 Kawasaki, H. 1525.
 Kawase, S. 887.
 Kawashima, S. 6235.
 Kay, A.C. 1758, 3167.

- Kay, R.R. 4718.
 Kaye, J. 2471.
 Kaye, P.L. 280, 308, 309, 2293.
 Kaymakov, E.A. 688.
 Kaz'min, S.D. 4481.
 Kazakova, T.B. 3554.
 Kazantseva, I.A. 2776.
 Kazarian, H.H., Jr. 881.
 Kazarian, H.H., Jr. 4857.
 Kazdova, L. 5659.
 Kazi, Z.A. 652.
 Kaziro, Y. 226, 1913, 1915, 2230, 2239, 3402, 3413.
 Kearns, D.R. 4274, 3043, 4178, 5566.
 Kedes, L.H. 616.
 Kedinger, C. 4600.
 Kedzierski, W. 5581.
 Keesstra, W. 5355.
 Keene, J.D. 5683.
 Kegeles, G. 1899, 1900.
 Keggin, K.M. 5190.
 Keiding, J. 4308.
 Keil, G. 1210.
 Keir, H.M. 3693, 4105.
 Keith, G. 1333, 1336, 2989, 2993, 4204, 5694.
 Keith, J.M. 3047.
 Kelker, N.E. 3236.
 Kellems, R.E. 5197.
 Kellenberger, Gujer, G. 6297.
 Keller, K. 2248.
 Keller, K.M. 404.
 Keller, P. 4241.
 Keller, W. 6261.
 Kellermayer, M. 2374, 2738.
 Kelley, D.E. 2272.
 Kelley, J.A. 4137.
 Kelley, W.N. 1146.
 Kells, D.I.C. 2701.
 Kelly, D.C. 119, 445, 5025.
 Kelly, J. 2931.
 Kelly, J.M. 5717.
 Kelly, K. 4124.
 Kelly, T.J., Jr. 942.
 Kelve, M.B. 5713.
 Kemp, D.J. 2240.
 Kemp, J.D. 1638.
 Kemper, B. 1466.
 Kemper, J. 6109.
 Kempf, J. 3506.
 Kendal, A.P. 5030.
 Kendall, F. 2893.
 Kende, H. 1268, 5440.
 Kenerley, M.E. 2418.
 Kennedy, S.I.T. 3460.
 Kennedy, T.D. 1328, 3847.
 Kennell, D. 4368.
 Keppler, D.O.R. 3354.
 Keprtova, J. 3191, 3597.
 Keranen, S. 834.
 Kerby, S.B. 3088.
 Keremov, A.F. 46.
 Kereszten, P. 4126.
 Kerfin, W. 3176.
 Kerklaan, P.R.M. 2597.
 Kern, C.W. 1181.
 Kern, D. 740.
 Kern, D.H. 3640, 3641.
 Kern, E.R. 1299, 2192, 5555.
 Kern, R. 5191.
 Kerr, B.H. 1746.
 Kerr, I.M. 1317, 2183, 3367.
 Kersten, H. 5562.
 Kersten, W. 858.
 Keshet, E. 936, 6111.
 Kessler Liebscher, B.E. 4433.
 Kessler, B. 5977.
 Kessler, E. 3176.
 Kett, K. 2374, 2738.
 Kettmann, R. 5806.
 Kevresan, S. 2299.
 Keyes, P.L. 1429.
 Keyssner, K. 2750.
 Kerdzy, F.J. 2825.
 Khabarova, M.I. 3751.
 Khachikyan, E.Ya. 504.
 Khaitova, N.M. 2071.
 Khalimskaya, L.M. 4166.
 Khamisov, R.Kh. 6311.
 Khan, G. 4677.
 Khan, M.S.N. 269, 3450, 4671.
 Khan, N. 3059.
 Khan, N.C. 3230, 5032.
 Khan, S.A. 2841, 2934, 6189.
 Khandjian, E.W. 295.
 Kharatishvili, M.G. 3868.
 Kharchenko, E.P. 1203, 2800, 3673.
 Kharitonov, I.G. 3430.
 Khawaja, J.A. 3390, 4247.
 Khesin, R.B. 2456.
 Khesin, R.B. 2830, 4888.
 Khilko, S.N. 3035.
 Khokhlenko, A.F. 5630.
 Khokhlova, W.A. 4342.
 Khokhryakov, V.S. 3262, 5240.
 Khomenko, S.A. 411, 4416.
 Khomullo, G.V. 1617.
 Khomutov, R.M. 2533.
 Khorana, H.G. 2960, 2961.
 Khoreva, S.L. 1852.
 Khoroshkov, Yu.A. 3996.
 Khosaka, T. 929.
 Khoury, G. 291, 1423, 2634, 3540, 4534.
 Khovanskikh, A.E. 5763.
 Khovrychev, M.P. 4891.
 Khristova, M.L. 3430.
 Khropov, Yu.V. 1279.
 Khudoli, G.A. 3552.
 Khudyakov, I.Y. 5911.
 Khudyakov, I.Y. 935.
 Khutorsky, V.E. 1865.
 Kidwell, W.R. 1188, 2786.
 Kiefer, B.I. 854, 855.
 Kieff, E. 5919.
 Kiehl, R. 5427.
 Kietly, J.K. 5485.
 Kiemle, P. 1261.
 Kierszenbaum, F. 1010.
 Kierzek, R. 4167.
 Kiessling, W. 5688.
 Kiggans, J.O., Jr. 4271.
 Kihlman, B.A. 6301.
 Kikuchi, H. 3662, 4614.
 Kikuchi, K. 4614, 5142.
 Kikuchi, T. 6147.
 Kikuchi, Y. 1318, 4041.
 Kikugawa, K. 664.
 Kikuta, Y. 70.
 Killewich, L.A. 2246.
 Kilpatrick, B. 5022.
 Kilpatrick, B.A. 439.
 Kilyova, E.V. 6174.
 Kim, A.A. 5157.
 Kim, C.H. 1396, 4298, 5712.
 Kim, D. 2126.
 Kim, J.C.S. 497.
 Kim, K.T. 2625.
 Kim, S.-H. 2987, 4102.
 Kim, Y. 2859.
 Kimberlin, R.H. 4322.
 Kimura, G. 2350.
 Kimura, G. 948, 2783.
 Kimura, M. 139, 654.
 Kinai, Y. 3639.
 Kindelis, A. 4979.
 King, C.R. 4324.
 King, D.B. 4324.
 King, H.W.S. 393.
 King, J. 5912.
 King, N. 3805.
 Kingdon, H.S. 1694.
 Kingsbury, D.T. 3949, 6009.
 Kinoshita, M. 1255, 2929, 4119.
 Kinoshita, N. 1975.
 Kinouchi, Y. 4643.
 Kintner, C. 3410.
 Kiper, M. 2736.
 Kirby Alton, N. 5956.
 Kirchner, H. 2750.
 Kiriike, N. 1002, 6064.
 Kirillov, S.V. 1909, 3754.
 Kirk-Bell, S. 4655, 5118.
 Kirkland, D.J. 1025.
 Kirnos, M.D. 935, 5911.
 Kirsch, W.M. 3776.
 Kirschbaum, J.B. 2827.
 Kirsche, W. 3016.
 Kirsner, J.B. 4044.
 Kiryanov, G.I. 2014.
 Kiryu, M. 2085.
 Kiselev, L.L. 3580, 3993.
 Kiselev, O.I. 3553.
 Kiseleva, O.A. 3522.
 Kiselgof, E.I. 1595.
 Kishchenko, G.P. 5351, 6234.
 Kisilevsky, R. 766.
 Kisilina, O.S. 5167.
 Kiss, G. 4071.
 Kiss, I. 3826.
 Kisselev, L. 2745.
 Kisselev, L.D. 2572.
 Kisselev, L.L. 3188, 4211, 4768, 4769.
 Kisselev, O. 2745.
 Kisselev, O.I. 1938.
 Kistemaker, P.G. 5551.
 Kistenmacher, T.J. 639, 1824, 5420.
 Kister, A.E. 415, 920, 3510.
 Kit, G. 4216.
 Kit, S. 6278.
 Kitagawa, T. 2527, 2528.
 Kitagawa, Y. 1170.
 Kitamoto, K. 5479.
 Kitamura, A. 4508.
 Kitamura, N. 1404.
 Kitamura, S. 2320.
 Kitavtsev, B.A. 4552.
 Kitazume, Y. 789.
 Kitchingman, G.R. 1229.
 Kittler, L. 1272, 2332, 3338, 4408.
 Kizaki, H. 2474, 4036.
 Kjellin-Straby, K. 1876, 1933.
 Kjellstrand, P. 365.
 Kjellstrand, P.T.T. 366.
 Klammer, T.R. 4943.
 Klambt, D. 4770.
 Klammer, O.L. 6041.
 Klapper, M.H. 4551.
 Klarner, R. 4955.
 Klaus, E. 4967.
 Klebanova, L.M. 4395.
 Kleber, I. 5181.
 Kleczkowska, D. 4339.
 Kleene, K.C. 265.
 Kleid, D.G. 3244, 4837, 5844.
 Kleihues, P. 1057.
 Kleiman, D. 4514.
 Kleiman, L. 4741, 5822.
 Klein, G. 5016.
 Klein, A. 1346, 2377, 3965.
 Klein, G. 885, 2866.
 Klein, H. 5354, 6036.
 Klein, H.L. 5056.
 Klein, J. 5364.
 Klein, R.E. 530.
 Klein, R.J. 113.
 Klein, W. 4492, 6036, 6066.
 Kleinman, R.E. 275.
 Kleinschmidt, A.K. 197.
 Kleinsmith, L.J. 1429, 6254.
 Kleinwachter, V. 3890, 4088, 4955, 4956, 5548.
 Klement, V. 4824.
 Klempauer, K. H. 4029.
 Kleppe, K. 5286, 6188.
 Kleppe, R.K. 6188.
 Klesius, P.H. 4214.
 Klessig, D.F. 335.
 Klevan, L. 2132.
 Kliber, J.S. 2583.
 Kliment, S.M. 428.
 Klimovitskaja, Z.M. 5070.
 Kline, B. 5178, 5349.
 Kline, B.C. 3156.
 Klinkert, J. 3965.
 Klita, S. 209.
 Klohs, W.D. 1737.
 Klok, J. 2597.
 Kloosterboer, J.G. 5525.
 Klootwijk, J. 263, 1418.
 Kloppstech, K. 784, 3926, 4360.
 Klotz, L.C. 355.
 Klotz, L.C. 3542.
 Kluding, H. 1346, 2377.
 Klug, A. 1204, 1766, 5385.
 Klukas, C.K. 341.
 Klump, H. 2498, 3442, 4173.
 Klyagina, V.P. 689.
 Klykken, P. 5041.
 Klymenko, A.I. 3294.
 Klyuchareva, M.V. 5341.
 Kment, A. 4491.
 Kmecik, D. 6246.
 Knapp, G. 5563.
 Kneale, G.G. 4089.
 Knecht, D.A. 3041.
 Kneip, B. 3406.
 Knibiehler, B. 6127.
 Knip-Behrendt, E.M. 4566.

- Knight, C.A. 1434.
 Knight, D.J. 1169.
 Knippers, R. 1210, 2296, 4029, 4609, 5314.
 Knobler, C.M. 3299.
 Knochel, W. 1199, 3056.
 Knoll-Kohler, E. 4312, 5765.
 Knoller, M. 4463.
 Knopf, U.C. 2713, 5057.
 Knorre, D.G. 744, 895, 1311, 3619, 4166.
 Knowler, J.T. 1428, 4326.
 Knowles, J.K.C. 3853.
 Knowles, J.R. 737, 738.
 Knudson, D.L. 5916.
 Knusel, F. 5102.
 Knypl, J.S. 529.
 Ko, C. 4817.
 Ko, C.Y. 422.
 Kobata, K. 4785.
 Kobayakawa, T. 2864.
 Kobayasahi, S. 4148.
 Kobayashi, G.S. 2455.
 Kobayashi, I. 558.
 Kobayashi, K. 2316.
 Kobayashi, M. 887, 2010.
 Kobayashi, T. 1525.
 Kobayashi, Y. 99, 4789.
 Kobaysahi, S. 3728.
 Kobets, N.D. 2585, 4230.
 Koch, C. 5869.
 Koch, G.L.E. 5590.
 Koch, M.H.J. 1896.
 Koch, M.J.H. 3014.
 Koch, P. 2768.
 Kochakian, C.D. 39.
 Kocharian, Sh.M. 1165.
 Kocherginskaya, S.A. 2831.
 Kochetkov, N.K. 4125.
 Kocsis, F. 4492, 6066.
 Kocot, F. 2868.
 Kodaira, K. 5089.
 Kodaira, K.-I. 2748, 5999.
 Kodama, Y. 2154, 2945.
 Koen, E.H. 111.
 Koenig, P. 1304.
 Koerner, D. 3838.
 Koga, H. 2143.
 Kogan, E.M., 3746.
 Kognoviitskaya, A.I. 2305.
 Kogoma, T. 4476.
 Kohase, M. 5556.
 Kohler, K.-H. 3094.
 Kohler, P.O. 3275.
 Kohli, J. 2991.
 Kohli, V. 5539.
 Kohlschein, J. 1310.
 Kohn, K.W. 1026, 1981, 4497, 4965.
 Kohne, D.E. 921.
 Kohnlein, W. 384.
 Kohut, J. III 131.
 Koike, K. 2010, 5266.
 Koike, S. 5114.
 Koiso, K. 481.
 Kokko, E. 1120.
 Kolacz, K. 4775.
 Kolakofsky, D. 3046, 1684.
 Kolassa, N. 4146.
 Kolchinsky, A.M. 1798, 3659.
 Koldovsky, P. 5364.
 Kolesnikov, V.A. 2451.
 Kolesnikova, A.I. 2865.
 Koleva, S. 5318.
 Koliais, S. 5016.
 Kolk, R. 5833.
 Koller, T. 614, 3053, 5004.
 Kolobushkina, L.I. 133.
 Kolodner, R. 5008, 5359.
 Kolosov, A.I. 1269.
 Kolosov, M.N. 2551, 3522, 3529.
 Kolosy, M.N. 2959.
 Kolter, R. 4989.
 Kollin, Y. 4256, 5076.
 Komano, T. 2384, 3567, 3972, 5130, 6151.
 Komatsu, T. 2905.
 Komolova, G.S. 358, 2391.
 Konarev, V.G. 5973.
 Kondo, H. 2454.
 Kondo, K. 51, 3714.
 Kondo, M. 1918.
 Kondo, T. 2167.
 Kondo, Y. 6055.
 Kondratiev, Yu.S. 1592, 2689, 2756.
 Kondratyeva, N.O., 3682, 5877.
 Kondratyeva, L.D. 3295.
 Konevega, L.V. 6105.
 Konigk, E. 6054.
 Konings, A.W.T. 2043.
 Konings, R.N.H. 2999, 4850.
 Konishi, T. 132.
 Konishi, Y. 92, 4113, 4490.
 Konkel, D.A. 4627.
 Konno, S. 644.
 Kono, A. 1969.
 Kononowicz, A.K. 2138.
 Konotey-Ahulu, F. 3184.
 Kononov, S.A. 5630.
 Konrad, A. 3117.
 Konrad, I. 741.
 Konstantinova, I.K. 3746.
 Konstantinova, I.M. 1920, 3469, 3836, 5745.
 Kontani, T. 1687.
 Kooli, K. 3873.
 Koomen, G.J. 60, 96.
 Kootstra, A. 6247.
 Kopchick, J.J. 3631, 3764.
 Kopecka, H. 3555.
 Kopecko, D.J. 4530, 5171, 5890.
 Koper-Zwarthoff, E.C. 1405.
 Koppes, L.J.H. 3940.
 Koprowski, H. 5364.
 Kopteva, L.A. 1951.
 Kopylov, A.M. 3009, 3446.
 Koren, H. 6036.
 Korenberg, J.R. 6287.
 Korfhagen, T.R. 4995.
 Korn, D. 2099, 3630.
 Korn, J. 2620.
 Korn, L.J. 414.
 Kornacka, L. 683, 1637, 3865.
 Kornberg, A. 989, 5087, 5703, 6198, 6225, 6226.
 Kornberg, R.D. 6280.
 Korner, I. 1603.
 Korner, I.J. 1605.
 Kornhuber, B. 4666.
 Kornhuber, B. 1234.
 Korobko, V.G. 421, 2551, 3529.
 Korolev, P.N. 4692, 4891, 6164.
 Korotkoruchko, V.P. 844, 1413.
 Korotyayev, A.I. 5630.
 Korzhenevskaya, H.G. 1821.
 Kosaganov, Yu.N., 1111.
 Kosaganov, Yu.N. 3610.
 Koslov, Yu.V. 2451.
 Kossel, H. 4430.
 Kost, A.A. 4125.
 Kostenko, M.A. 4853.
 Kostka, G. 3287.
 Kostkin, V.B. 2770.
 Kostomarova, A.A. 1244, 4660.
 Kostraba, N.C. 2129.
 Kosykh, V.G. 2706.
 Koteliatsky, V.E. 758, 2121.
 Koths, K. 3162.
 Kotosov, V.V., 3780.
 Kotosov, V.V. 5599.
 Koudekka, J. 3882, 3890, 4088, 4471, 4955, 4956.
 Koudijs, A. 5416.
 Kountz, S.L. 1624.
 Koupal, A. 5205.
 Kourilsky, P. 4539, 5803.
 Koval, T.M. 2028, 2029.
 Koval'chuk, M.I. 5070.
 Kovalenko, M.I. 3751.
 Kovaleva, G.K. 2572, 4211, 4768.
 Kovaleva, V.G. 5131.
 Kovarikova, E. 3724.
 Kovoor, A. 1696.
 Kowalski, D. 2431.
 Kozak, M. 1399, 2256.
 Kozikowski, A.P. 2942.
 Kozlov, Yu.I., 3871.
 Kozlov, A.P. 2415.
 Kozlov, I.A. 1736.
 Kozlov, Yu.I. 150, 952, 1490.
 Kozlova, A.N. 2370.
 Kozlowska, H. 27, 28, 29.
 Kozmian, L.I. 382, 408.
 Kraak, J.C. 4696.
 Kraal, B. 2597.
 Kraft-Creech, J. 4777.
 Kraft, V. 5091.
 Krahmer, U.I. 663.
 Krajewska, E. 682.
 Krakow, J.S. 1108.
 Krakower, J.M. 1911, 5276.
 Kramer, B.S., 3169.
 Kramerov, D.A. 3451.
 Kramers, M.T.C. 6216.
 Krampitz, G. 6061.
 Kranias, E.G. 1706, 2461.
 Krasheninnikov, I.A. 2486.
 Krasin, F. 5868.
 Krasnitskaya, A.A. 4778.
 Krasnopol'skii, Y.M. 6269.
 Krassner, S.M. 510.
 Krassnigg, F. 5446.
 Kraszewski, A. 4167.
 Kraupp, O. 4709.
 Kraus, J. 1340.
 Krauspe, R. 2572.
 Krauss, G. 776, 4764.
 Krauss, M.R. 477, 3201, 5073.
 Kravchenko, V.V. 5836.
 Kravetsky, T.P. 5079.
 Krawczyk, Z. 6181.
 Krayevsky, A.A. 3780, 5546, 5599.
 Kreber, R.A. 2883.
 Kredich, N.M. 1284.
 Krefl, J. 6098.
 Kreidtnier, I.B., 5770.
 Kreil, G. 4744.
 Kreis, W. 4034, 4035, 4702.
 Krejci, P. 4088.
 Krulek, J. 319, 367.
 Krembel, J. 5623, 5650.
 Kress, H. 297, 299.
 Kressmann, A. 3086, 5368.
 Kretovich, W.L. 3398.
 Kretschmer, S. 1846.
 Kreuzaler, F. 1965.
 Kreuzer, K.N. 2857.
 Krieck, F. 6094.
 Krichevskaya, A.A. 3819.
 Krider, H.M. 1663.
 Krieger, D. 1185.
 Krieger, H. 4809.
 Krikun, E. 5768.
 Krish, H. 2788.
 Krish, R.E. 5868, 6021.
 Krishan, A. 2950.
 Krishna, M. 1627.
 Kristiansen, K. 2225, 3022.
 Kritsky, G.A. 3977.
 Kritzyn, A. 4419.
 Kritzyn, A.M. 1864.
 Krivsky, A.S. 1495, 4395, 4969.
 Kriz, O. 4225.
 Krizsanovich-Williams, K. 3157.
 Kroath, H. 5749.
 Kroger, H., 4591.
 Kroger, M. 2944, 5454.
 Krohne, G., 4375.
 Krohne, G. 5728.
 Krol, A. 1358, 1903.
 Kronenberger, P.H. 494.
 Kronman, M.J. 2090.
 Krop, J.M. 3017.
 Kropacova, K. 464.
 Kropko, M.L. 6037.
 Krotoski, D.M. 2497.
 Krsmanovic, V. 5252.
 Krstulovic, A.M. 1834.
 Krueger, J.H. 4218.
 Krueger, L.J. 5073.
 Krug, R.M. 5543.
 Kruger, F.A., 1703.
 Kruger, A. 2225, 3022.
 Kruger, C. 6256.
 Kruger, D.H. 2410.
 Krugh, T.R. 1313.
 Kryglovskaya, K.E. 1504.
 Kruijswijk, T. 3017, 3774.
 Kruppa, J. 320.
 Krupyanke, V.I. 2080, 2808.
 Kruse, T.A. 5575.
 Krust, A. 4539.

- Krutyakov, V.M. 5079.
 Krych, M. 1273.
 Krylov, A.S. 3682.
 Krylov, V.N. 6106.
 Krystal, G. 5346.
 Kryukova, L.M. 2044.
 Kryzek, R.A. 4863.
 Krzysztyniak, K. 2403, 2404.
 Krzyzek, R.A. 3851, 4356.
 Krzyzosiak, W.J. 3722.
 Krzyzowska-Gruca, S. 6181.
 Kubai-Maroni, D. 3519.
 Kubitschek, H.E. 66, 2018.
 Kubler, O. 5004.
 Kubli, E. 3928, 5570.
 Kubota, Y. 387, 390, 4700, 5855.
 Kucan, Z. 725.
 Kucharzewski, M. 1381.
 Kuchino, Y. 2559, 2994.
 Kuck, U. 4933.
 Kudlicki, W. 2852.
 Kudryavtsev, V.D. 6082.
 Kuebbing, D. 5710.
 Kuechler, E. 4780.
 Kuehl, W.M. 4669.
 Kuemmerle, N.B. 5007.
 Kuempel, L.H. 1219, 6292.
 Kuenzle, C.C. 3495, 5265.
 Kuff, E.L. 972, 1423, 1996, 4911.
 Kuhlmann, K.F. 5844.
 Kuhn, D.A. 950.
 Kuhn, N.J. 1158.
 Kuhnlein, U. 2475, 5203.
 Kui, Y.T.Y. 1858.
 Kuijk, M.G. 2751, 4474.
 Kukhanova, M.K. 3780, 5599.
 Kukin, M. 5386.
 Kula, M.-R. 179.
 Kulaev, I.S. 5199.
 Kulaeva, O.N. 4342.
 Kulagina, T.P. 2042.
 Kulamowicz, I. 4398.
 Kulichkova, V.A. 1920.
 Kulis, Yu. 700.
 Kumadaki, I. 99.
 Kumagai, A. 2771.
 Kumagai, H. 2436.
 Kumagar, A. 5139.
 Kumar, A. 5539.
 Kumar, R. 2862.
 Kumar, S. 2667.
 Kumar, S.A. 1108.
 Kumegawa, M. 578.
 Kummert, J. 850, 2646, 5692.
 Kunavina, I.Y. 2828.
 Kundu, S.C. 984.
 Kung, F.-C. 3189.
 Kung, H.-J. 3569.
 Kung, P.C. 6204.
 Kung, V.T. 1225.
 Kunicki-Goldfinger, W.J.H. 3517, 4450, 2339.
 Xuninaka, A. 527, 581.
 Kunkel, N.S. 4855, 5709.
 Kunkle, M. 4633.
 Kuno, S. 2767.
 Kuntzel, H. 3174.
 Kuo, C.W. 846.
 Kuo, C.Y. 1845.
 Kuo, K.C. 4697, 5445.
 Kuo, M.T. 615, 1782, 5852.
 Kupfer, D.M. 1620.
 Kupke, D.W. 1094.
 Kupper, H. 5744.
 Kupriyanov, V.V. 2111.
 Kupriyanova, F.G. 4002.
 Kurata, H. 2414.
 Kurchak, M. 6278.
 Kurebayashi, H. 3282.
 Kurer, V. 5961.
 Kurinenko, B.M. 1670.
 Kurkela, T. 1189.
 Kurki, P. 3642.
 Kurland, C.G. 1881, 3772, 4670, 6213.
 Kurochkin, S.N. 2125, 5302.
 Kuroda, Y. 1190.
 Kuroiwa, T. 5988.
 Kurosky, A. 2871.
 Kurtskhaliya, T.V. 3414.
 Kurtz, D.T. 5730.
 Kurtz, S.M. 5481.
 Kusch, A.A. 3234.
 Kusecek, B. 5894.
 Kushch, A.A. 610, 2451.
 Kushner, S.R. 5956.
 Kusmirek, J.T. 4186.
 Kust, S.V. 3051.
 Kusunoki, T. 72, 660.
 Kuwano, M. 3779.
 Kuyper, C.M.A. 1672.
 Kuz'menko, L.M. 5580.
 Kuz'min, N.P. 3995.
 Kuzik, B.A. 3280.
 Kuzin, A.M. 5215.
 Kuzlov, Y.I. 2421.
 Kuznetsov, I.A. 3514, 3549, 5878, 6311.
 Kuznetsov, O.K. 508, 1269, 4282.
 Kuznetsova, E.D. 4457, 371.
 Kuzovleva, N.A. 5105.
 Kvasnikov, E.I. 2727.
 Kvasnyuk, E.I. 101.
 Kwanyuen, P. 4541.
 Kwok, D.Y. 6109.
 Kwok, C.S. 2542.
 Kwong, L.K. 1338.
 Kwong, S. 6131.
 Kwong, T.C. 1328.
 Kyogoku, Y. 1816, 2529.
 Kysela, F. 367.
 L'vova, T.N. 2801.
 La Colla, P. 5441.
 La Farina, M. 4904.
 La Torre, J.L. 6139.
 Labarca, C. 339.
 Labbate, V.A. 360.
 Labischinski, H. 4783.
 Labouesse, B. 5587.
 Labouesse, J. 5587.
 LaBrecque, D.R. 3969.
 Labuda, D. 172, 1334, 4742.
 Lachmi, B.-E. 1467.
 Lackey, D. 5900.
 Lacks, S. 1107, 1645.
 Lacks, S.A. 525.
 LaColla, R. 2158.
 Lacombe, C. 4647.
 Lacour, F. 2976.
 Lacquaniti, F. 770.
 Lacroute, F. 1831.
 Lad, P.M. 142.
 Ladhoff, A. 3040.
 Ladhoff, A.-M. 3057.
 Lae, S.G. 4653.
 Laemmli, U.K. 1218, 1220.
 Lafarge-Frayssinet, C. 5051.
 Lafleur, M.V.M. 4397.
 Lafontaine, J.-G. 601.
 Lagadec, R. 924.
 Lagerkvist, U. 2917.
 Lahdesmaki, P. 734.
 Lai, C.-J. 3540.
 Lai, E.C. 5962.
 Lai, M.-H.T. 2103.
 Lai, M.M.C. 254, 2381, 3436, 3808.
 Lai, M.T. 6149.
 Lai, S.-P. 804, 1229.
 Laib, R.J. 4194.
 Laine, B. 4654, 6246.
 Laivenieks, M.G. 5199.
 Lake, J.A. 3015.
 Lake, R.S. 6037.
 Lake, S. 2307, 2308.
 Lakeman, A. 5022.
 Lakhtin, V.M. 3977.
 Lam, K.-F. 1093.
 LaMantia, K. 3274.
 Lamb, M.M. 6284.
 Lambeck, C. 3076.
 Lambert, P.-H. 2864.
 Lambert, B. 2698, 2763.
 Lambert, C. 2298.
 Lambert, J.B. 5535.
 Lambert, P.-H. 2863.
 Lambowitz, A. 4536.
 Lamfrom, H. 2795.
 Lamie, F. 3990.
 Lampert, F. 1790.
 Lamvik, J. 1630.
 Lancaster, W.D. 352.
 Lancelot, G. 900, 2522.
 Lancho Alonso, J.L. 3579.
 Lancho-Alonso, J. 1433.
 Land, E.J. 4117.
 Land, H. 3457.
 Lander, M.R. 3169.
 Landers, T. 2717.
 Landstrom, L.E. 2401.
 Landstrom, U. 116.
 Landy, A. 928, 2342, 2343, 2678, 5744.
 Lane, B.G. 1328, 3847, 5720, 5800.
 Lang, D. 2886, 3528.
 Lang, J. 2692.
 Lang, M.C.E. 396.
 Langan, T.A. 2124.
 Langberg, S. 2598.
 Lange-Gulstafson, B. 429.
 Lange, A. 4598.
 Lange, C.-E. 591.
 Lange, K. 2248.
 Langelier, Y. 4589.
 Langen, P. 1290, 2939, 4641, 5536.
 Langenberg, W.G. 3523.
 Langer, J.A. 4779.
 Langer, V. 5403, 5404, 5405.
 Langeveld, S.A. 4431.
 Langford, C.J. 2293.
 Langman, L. 3531, 5904.
 Langowski, J. 3441.
 Langsam, J. 4462.
 Lanin, V.N. 2556.
 Lanka, E. 3605.
 Lanks, K.W. 2614.
 Lanneau, M. 3650.
 Lannom, R.A. 5530.
 Lanotte, M. 982, 983.
 Lapage, S.P. 3919.
 Lapteva, L.P. 1264.
 Lara, F.J.S. 3992.
 Larcher, D. 4720.
 Lardeux, B. 4221.
 Lark, K.G. 2726.
 Larner, E. 2401.
 LaRossa, R.A. 3382.
 Larsen, S.H. 945.
 Larson, D. 1400.
 Larsson, A. 3963.
 Larsson, I. 2401.
 LaRusso, N.F. 1500, 1980.
 Laskey, R.A. 4313.
 Laskowski, M., Sr. 2431.
 Lasky, L. 3212.
 Lassam, N.J. 6010.
 Lassar, A.B. 5756.
 Lassota, Z. 3775, 4297.
 Lasters, I. 6239.
 Lasurkin, Y.S. 15.
 Laszio, P. 2546.
 Lathé, R. 918.
 Latos, A.M. 330.
 Latt, S.A. 1480, 4645, 6298.
 Latke, H. 2462.
 Lau, A.F. 3298, 3851, 4356, 4863.
 Lau, H.C. 3118.
 Lau, P.P.L. 3124.
 Lau, Y.-F. 619.
 Laub, O. 291, 3463, 3800.
 Laube, H. 1234, 4666, 5557.
 Laudien, H. 3000.
 Lauer, G.D. 355.
 Laughrea, M. 4229.
 Laurent, G.J. 3389.
 Laurent, S.J. 5128.
 Laursen, R.A. 2236.
 Lautenberger, J.A. 5900.
 Laval, J. 1011.
 Lavalette, D. 4227, 4228.
 Lavers, G.C. 822.
 Lavi, S. 2352, 5918.
 Lavi, U. 813.
 Lavialle, C. 1848.
 Lavrik, O.I. 744.
 Lawless, J.G. 641.
 Lawley, P.D. 4958.
 Lawn, R.M. 2003.
 Lawrence, F. 4707.
 Lawrie, J.M. 1916, 1994, 5913.
 Lawrie, S.S. 2898.
 Lawson, R.H. 2354, 3170.
 Lawson, T.A. 2031.
 Lawther, R.P. 5574.
 Layton, W.J. 5472.
 Lazar, J.M. 182.
 Lazar, V. 6135.
 Lazdins, J. 5280.
 Lazowska, J. 961.
 Lazurkin, Yu.S., 523.
 Lazurkin, 523.

- Lazarukin, Yu.S. 3610.
Lazzari, E. 90.
Lazzarini, R.A. 334, 832, 5683.
Le Bret, M. 1545.
Le Gal, Y. 3220.
Le Goff, L. 5725.
Le Grice, S. 3159.
Le Grice, S.S.G. 6162.
Le Hegarat, F. 3675, 3864.
Le Hegarat, J.-C. 4372.
Le Pecq, J.B. 430, 553, 35326.
Le Petit, J.C. 4047.
Le Roy, C. 1126.
Lea, M.A. 1977, 2691, 6251.
Leach, F.R. 3247.
Leach, G.A. 4155.
Leach, M. 1714.
Leathers, T.D. 2725.
Leaver, J.L. 3291.
Lebeau, M.-C. 1716.
Lebedev, A.V. 1311, 4166, 5527.
Lebedev, D.B. 307.
Lebedeva, L.I. 2897.
Leberman, R. 3418.
LeBlanc, D.J. 6096, 6099.

Lebleu, B. 1683, 2076, 2657, 4919.
Leblova, S. 3069.
Lebowitz, J. 1984.
Leboy, P.S. 4758.
LeBreton, P.R. 2924, 4121, 4689.

Lechat, P. 6059.
Lechner, R.L. 942.
Lechtig, A. 530.
Leclerc, H. 5043.
LeClere, J.E. 5359.
Leclercq, M. 2973.
Ledent, C. 5160.

Leder, A. 1065, 5966.
Leder, P. 1065, 1494, 3090, 3182, 5829, 5966, 6126.
Lederberg, J. 3604, 3989.
Lederer, E. 721, 2948.
Ledford, B.E. 4511.
Ledinko, N. 6113.
Ledoux, L. 6086, 6087, 6088, 6090.
Lee, B. 2475, 5203, 5423.
Lee, B.F. 2459.
Lee, C.S. 1774, 3548.
Lee, D.R. 5309.
Lee, F. 1955, 5038, 6167.
Lee, H.J. 5119.
Lee, I.P. 6030.
Lee, J.-H. 4114.
Lee, J.L. 5880.
Lee, J.S. 4952, 5826.
Lee, J.W. 173.
Lee, K.C. 518.
Lee, L. S. 375.
Lee, L.N. 6096.
Lee, L.Y. 1487.
Lee, M. 1851, 2202.
Lee, M.R. 1787.
Lee, R.P.W. 3967.
Lee, S.-L. J. 5162.
Lee, S.S. 1288.
Lee, S.Y. 3029.

Lee, V.J. 5273.
Lee, Y. H. 3616.
Lee, Y.F. 1245.
Lee, Y.J. 2530.
Leelavathi, D.E. 695.
Leenhouts, H.P. 4971.
Leeper, D.B. 6042.
Leer, J.C. 4506.
Lees, R.G. 2960.
Leff, J. 5987.
Leffak, I.M. 2123, 4056.
Lefoley, S.G. 3147.
Legault-Demare, L. 747.
Legerski, R.J. 2430, 4561.
Legina, O.K. 6105.
Legraverend, C. 3134.
Legraverend, M. 4141.
Legros, R.M. 3919.
Lehman, I.R. 2159, 3950, 5101.
Lehmann, A.R. 1233, 4655, 5118.
Lehmann, J. 3369.
Lehrach, H. 245.
Leibovitch, S.A. 1555, 4458.
Leibowitz, D. 3184.
Leibowitz, M.J. 2055.
Leibson, P. 3590.
Leifer, A. 914.
Leimontaitė, R. 700.
Leineweber, M. 3608, 5592.
Leiper, J.W.G. 1169.

Leis, J.P. 2665, 3487, 4582, 4863, 6049.
Leistner, W. 1512.
Lejeune, J. 5885.
LeJohn, H.B. 2189, 2190, 4307.
Lejtin, V.L., 5624.
Lelay, M.-N. 4604.
Lelieveld, P. 3121.
Lelievre, L. 2141.
Lemaux, P.G. 2235, 3766.
Lemer, L.M. 4698.
Lemke, P.A. 4933.
Lemmon, R.M. 146.
Lemon, S.M. 3200.
Lemontt, J.F. 4489.
Lemos, M.V.F. 3103.
Lempereur, C. 5623, 5650.
Lenard, D.R. 650.
Lenarduzzi, R. 1966.
Leng, M. 4183.
Lengyel, P. 1683, 2076, 6142.
Lenz, J.R. 2596.
Leon, S.A. 360, 587.
Leon, W. 510, 3923.
Leonad, T.B. 1118.
Leonard, N.J. 2523, 3339, 4686.
Leong, K. 4217.
Leonhardi, G. 2145, 2146.
Leonhardt, P.H. 2977.
Leonov, B.V. 2288.
Leonov, D. 5864.
Lepennec, J.P. 4539.
Leppert, M. 3046.
Lerer, H. 3116.
Lerman, M.I. 312, 3843, 5764.
Lerner, D.A. 34.
Lerner, L.M. 3342.

Leroy, J.L. 1875.
Lescott, T. 119.
Lescure, A.M. 127.
Lesemann, D. 1757.
Leslie, A.G.W. 2970.
Lessinger, L. 5404.
Letnansky, K. 5338.
Letsinger, R.L. 5535.
Leung, K. L. 3021.
Leung, W.-C. 5737.
Leutz, J.C. 5856.
Lev-Sobe, T. 1018.
Lev, M. 5478.
Levashev, V.S. 925.
Levashov, V.S. 958.
Levenson, R.G. 3660.
Levi, I.S. 53.
Levi, V. 4116.
Levin, A.V. 1786.
Levin, D. 4254.
Levin, J.G. 867.
Levin, J.M. 2485.
Levina, A.S. 3719.
Levine, A. 4535.
Levine, A.D. 4862.
Levine, A.J. 5354.
Levine, A.S. 1481.
Levine, E.M. 3006.
Levine, M. 5090.
Levings, C.S., III 3187.
Levings, C.S., III 5072.
Levinson, J.W. 346.
Levinson, W. 5277, 5841.
Levinthal, M. 4755.
Levis, A.G. 2053, 3224.
Levis, R. 3817, 4898.
Levison, S.A. 921, 2237.
Levitt, M. 1766.
Levitt, R.C. 3134.
Levitz, M. 1446.
Levy, A. 5340.

Levy, C.C. 14, 2101, 2435.
Levy, D. 4056.
Levy, H.B. 2980, 5554.
Levy, W.B. 2362, 3478.
Levyant, M.I. 2587.
Levyts'skij, A.P. 4004.
Lewis, A. 4595.
Lewis, C.A., Jr. 3281.
Lewis, C.G. 2280, 5767.
Lewis, D.J. 1031.
Lewis, F.A. 4620.
Lewis, J.A. 1364, 2510, 4358, 5572.
Lewis, P. 5684.
Lewis, P.N. 1185.
Lewis, R.A. 6065.
Lewis, R.B. 2463.
Lewis, W.H. 2190, 3280.
Lewitt, R.M. 1232.
Ley, R.D. 1982, 4576, 4663, 4974.
Leyritz, M. 6116.
Leyva, A. 1146.
Lezana, E.A. 1212, 6302.
Lezius, A.G. 4178.
Lhomme, J. 4115.
Li, L.H., 5273, 6203.
Li, C. 112, 4699.
Li, H.J. 1763, 2123, 2133, 3671, 4056, 4103.

Li, L.H. 4580.
Liacouras, A.S. 579.
Liang, C.M. 1768.
Liang, T. 551.
Liao, J.C. 1856.
Liao, S. 551.
Liao, S.K. 3351.
Liao, T.-H. 1103.
Liarakos, C.D. 5710.
Liau, M.C. 1434.
Liautard, J.-P. 767.
Libonati, M. 3114.
Lica, L. 1223, 2904.
Lichtenstein, E.P. 1638.
Lichti, U. 1038, 2777.
Lieberman, M.W. 149, 4499.
Liebhaber, S.A. 2281.
Liebke, B. 3594.
Liebman, M. 717.
Liebscher, D.H. 5188.
Liehr, J.G. 663.
Liew, C.-C. 5319, 5321.
Lifshits, R.I. 1849.
Lightbody, J.J. 583.
Likhachev, A. 1970.
Liljas, A. 3772, 6213.
Liljefors, S. 1823.
Lill, U.I. 4012, 4566.
Lilley, D.M.J. 3319, 6281, 1208, 3694.
Lim, P.H. 2472.
Lim, V.I. 4412.
Lima-de-Faria, A. 1563.
Limas, C. 3269.
Limas, C.J. 3269, 4642.
Limorskaya, S.A. 2314, 3037, 5657.
Limorskaya, S.A. 5770.
Limn, W. 1277.
Limon, J. 5816.
Lin, C.-Y. 3093.
Lin, C.H. 5640.
Lin, F.K. 2289, 4327, 5746.
Lin, G.W. 1434.
Lin, J. 4121, 4689.
Lin, J.-K. 1972.
Lin, J.-C. 3370.
Lin, M.C. 142.
Lin, T.-S. 5456.
Lin, Y.C. 1181.
Lind, A. 1376, 2595, 4796.
Lind, A.-Ya. 5713.
Lindahl, L. 2001, 2357, 2418.
Lindahl, T. 3536, 5016, 6227.
Lindell, T.J. 2511, 3474.
Linden, W.A. 2390.
Lindenmaier, W. 4987, 6123.
Linder, E. 3642.
Linder, R.E. 633.
Lindgren, S. 3030, 5783.
Lindholm, D.B. 3390, 4247.
Lindigkett, R. 1290, 3824, 4075, 4076, 4077, 4615, 4639.
Lindi, P.A. 6289.
Lindley, I.J.D. 712, 2975, 5776.
Lindner, M.R., 1315.
Lindner, G. 3016.
Lindner, H.J. 1839, 5473, 5475.
Lindohm, E. 2531.
Lindquist-McKenzie, S. 3001.

- Lindqvist, B.H. 5182.
 Lindsay, R.H. 4124.
 Ling, J.R. 4359.
 Lingappa, J.R. 5604.
 Lingappa, V.R. 5604.
 Lingrel, J.B. 2270, 5772, 5787.
 Linn, S. 2475, 3577, 5203, 5900.
 Linnane, A.W. 5054, 5634, 5952.
 Linskens, H.F. 5122.
 Linssen, P. 4696.
 Lion, Y. 1827.
 Liorannaite, L. 700.
 Liou, R. 4205.
 Lipecky, R. 1310.
 Lipinskas, B.R. 4875, 5217.
 Lipkin, M. 607.
 Lipkin, V.M. 2831, 3262, 5240, 5241.
 Lipkind, G.M. 2536.
 Lipman, R. 1500.
 Lipnick, R.L. 3725.
 Lipp, K. 1425.
 Lippard, S.J. 8, 3130, 3369.
 Lippman, S. 1388.
 Lipps, H.J. 3670, 3853.
 Lips, C.J.M. 3112.
 Lipsett, M.N. 4127.
 Lipskaya, G.Yu. 798.
 Lisco, E. 5518.
 Lisco, H. 5518.
 Lisovskaya, K.V. 4969.
 Lissitzky, S. 1414.
 Lister, R.M. 4841.
 Liszewski, M.K. 5573.
 Litt, M. 5751.
 Littauer, U. 2973.
 Littauer, U.Z. 2107.
 Little, J.B. 3214, 5108.
 Little, J.G. 2550.
 Little, J.W. 3244.
 Littlechild, J. 3773.
 Littlefield, J.W. 1146.
 Litvak, S. 505, 3627, 5261.
 Litvinenko, A.R. 178.
 Liu, L.F. 4659, 6222.
 Liu, M.Y. 2553.
 Liu, W.-T. 1141.
 Liven, E. 2443.
 Livingston, D.M. 1620, 2887.
 Livneh (Noy), E. 5537.
 Livolant, F. 5350.
 Lixandru, T. 2524.
 Ljungquist, E. 5185.
 Ljungqvist, A. 2772.
 Lloyd, D. 3584.
 Lloyd, H.H. 65.
 Lloyd, H.M. 6016.
 Lloyd, M. 751.
 Lloyd, R.S. 4951.
 Lobanova, Z.I. 5070.
 Lober, G. 1272, 2332, 2930, 3890, 4088, 4393, 4408, 4955, 4956.
 Lochmann, E.-R. 4777.
 Lockard, R.E. 1405, 2612.
 Locker, D. 1080.
 Locorotondo, G. 1133.
 Locy, R.D. 2573.
 Loddio, B. 2158, 5441.
 Lodish, H.F. 748, 876, 2263.
 Loeb, L.A. 1722, 2023, 2512, 3628, 3962, 6046.
 Loeffler, H. 5742.
 Loehr, J. 2742.
 Loeschke, K. 2309.
 Loewen, P.C. 3735.
 Loewengart, G. 3133.
 Loewenstein, P.M. 5269.
 Lofdahl, S. 5893.
 Logan, D.M. 1093.
 Logothetopoulos, J. 2170.
 Logue, G.L. 2295.
 Lohman, P.H.M. 1607.
 Lohman, T.M. 1807, 2963, 4568.
 Lohmann, K. 1554.
 Lohr, D. 1198.
 Lohrmann, R. 87, 5544, 5545.
 Loibner, H. 3717.
 Loir, M. 3650.
 Loiseaux, S. 3061.
 Loizeau, M. 6059.
 Lomakina, T.S. 698.
 Lomakina, T.S. 2585.
 Loman, H. 4397.
 Lombardi, M.L. 1734.
 Lomedico, P.T. 1350.
 Lomniczi, B. 250, 4912.
 Londei, P. 1366.
 London, I.M. 2602, 4254.
 London, M. 3146.
 Londres, C. 142.
 Long, C.W. 1735.
 Longenecker, J.P. 5661.
 Longley, J.I. 5715.
 Longo, F.J. 4633.
 Longson, M. 1271.
 Longthorne, R.F. 2908.
 Longuet, M. 4238.
 Lonn, U. 2176, 3030, 4354, 5782, 5783.
 Lonsdale, D.M. 1558.
 Loor, R.M. 2129.
 Lopatina, N.G. 5288.
 Lopetegui, R. 4232.
 Lopez, C.B. 1316.
 Lopez Zumel, M.C. 5121.
 Lopez-Revilla, R. 5810.
 Lopez, C. 5488.
 Lopez, M.I. 5352.
 Lopez, R. 1808, 3983.
 Lopo, A. 1037.
 Lopp, I.G. 705.
 Lord, R.C. 5569.
 Lorentz, A.K. 490.
 Lorenzoni, E. 1889.
 Lorimer, W.S., III, 1188.
 Lorimer, W.S., III 2786.
 Lorkiewicz, Z. 986.
 Lortkipanidze, G.B. 5879.
 Losinsky, T.F. 3913, 4437.
 Lossow, C. 5695.
 Lot, H. 1406.
 Lotova, V.I. 1617.
 Louarn, J. 1781.
 Louarn, J.-M. 1781.
 Loughlin, R.E. 1949.
 Louis, C. 2477, 4058.
 Louis, J. 2864.
 Lovatt, C.J. 5501.
 Loveday, K.S. 6298.
 Loverock, P.S. 3574.
 Lovett, J.A. 1458.
 Lovett, P.S. 5190.
 Lovinger, G.G. 6051.
 Lovtrup, S. 116.
 Low, K.B. 3382.
 Lowdon, M. 4197.
 Lowe, G. 5524.
 Lowe, P.A. 5251.
 Lowenhaupt, K. 5772, 5787.
 Lown, J.W. 902, 5848, 5850.
 Lowy, D. 2241.
 Lowy, D.R. 3242.
 Loza, V. 5775.
 Lozeron, H.A. 5732.
 Lu, C. 5129.
 Lu, K.C. 1523.
 Lu, T. 531.
 Lubit, B.W. 2311.
 Lubochinsky, B. 4647.
 Lubsen, N.H. 2266.
 Lucacchini, A. 3635.
 Lucas-Lenard, J., 2576.
 Lucas-Lenard, J. 1747.
 Luck, G. 3363, 4393.
 Ludemann, H.-D. 105, 674.
 Luder, G. 1640.
 Luderhann, H.-D. 5463.
 Ludlum, D.B. 2254.
 Ludwig Sanger, H. 3441, 3442.
 Ludwig, J.R., II 1442.
 Lueders, K.K. 972, 4911.
 Luganova, I.S. 3820.
 Lui, V.K. 3351.
 Luibrand, G. 3198, 4987.
 Luippold, H.E. 4646.
 Lukacs, L. 2738.
 Lukanidin, E.M. 1893, 206, 2644.
 Lukasova, E. 1504.
 Lukins, H.B. 5634, 5952.
 Lum, C.T. 2470.
 Lumbroso-Bader, N. 5415.
 Lumma, P.K. 5296.
 Lunadei, M. 6273.
 Lunc, M.G. 5657.
 Lund, E. 2719, 2720, 3410.
 Lundak, T.S. 2229.
 Lundblad, R.L. 1694.
 Lundgren, E. 2401.
 Lundquist, R.E. 4268, 4827.
 Lundvik, L. 2571.
 Lunina, L.D. 5949.
 Lupp, H. 4587.
 Luquet, P. 4934.
 Lurquin, P.F. 16, 4527, 4996.
 Lusby, A. 6035.
 Luse, D.S. 5243.
 Lutsch, G. 2217, 5621.
 Lutter, L.C. 1766, 2816.
 Luttrupp, L.K. 3602, 5083.
 Lutz, W.K. 1502, 4960, 4976.
 Luxon, B.A. 541.
 Luyindula, N. 6088.
 Lvova, E.B. 3115.
 Lvovsky, E. 5554.
 Lyapunova, N.A. 2071.
 Lykanilin, E.M. 5741.
 Lykkesfeldt, A.E. 301.
 Lyman, K.J. 663.
 Lynch, K.R. 243.
 Lynn, M. 3020.
 Lyon, P.A. 3345.
 Lyons, M.J. 251.
 Lysenko, A.M. 2681.
 Lysov, Y.-P., 3741.
 Lysov, Y.-P. 3889.
 Lyubchenko, Yu.L. 523, 1529, 4415.
 Lyubimova, E.V. 5624.
 Ma, Y. 5799.
 Maaloe, O. 5364.
 Maas, W.K. 4994.
 Maass, G. 776, 4198, 4764, 5646.
 Maat, J. 2353.
 Mabogurie, O. 2126.
 Mabrouk, H.H. 5821.
 Macaya, G. 3555, 3556.
 Macchia, V. 1380.
 Macchiato, M. 1666.
 Macchiato, M.F. 418.
 MacCross, M. 3347, 4134.
 MacDonald Green, D. 1641.
 Macdonald, R.D. 797.
 MacDonald, R.J. 1461, 1962.
 Mace, M.L., Jr. 5237, 6291.
 Macelroy, R.D. 896.
 MacFarlane, J.O. 173.
 MacFarlane, R.D. 2162.
 MacGee, J. 2612.
 MacGillivray, A.J. 606.
 Macgregor, H.C. 452, 5960, 6282.
 Mach, B. 2333.
 Mach, F. 2371.
 Mach, H. 2371.
 MacHattie, L.A. 3982.
 Mache, R. 3061.
 Maciewicz, R.A. 2133, 3671, 4056.
 Mackey, J.K. 4373.
 Mackie, G.A. 769, 4292.
 Maclean, N. 821.
 MacLean, T.S. 957.
 MacLennan, I.C.M. 1291.
 Macleod, A.R. 600.
 MacNaughton, M.R., 2482.
 MacNaughton, M.R. 5680.
 Macquet, J.-P. 402, 4404.
 Macrina, F.L. 5887, 5890.
 Maddocks, J.L. 4695.
 Maden, B.E.H. 269, 1418, 3059, 3450, 4299, 4302, 4671, 5717.
 Madge, M.H. 2482, 5680.
 Madoyan, I.A. 4768, 4769.
 Maeda, A. 1515.
 Maeda, F. 997.
 Maeda, Y. 4581.
 Maes, R.F. 1316.
 Maestre, M.F. 3680, 3681.
 Maev, S.P. 2585, 4230.
 Magana-Schwencke, N. 5871.
 Magazin, M. 4215, 5595.
 Magdon, E. 1597.
 Mager, W.H. 1078, 3774.
 Maget-Dana, R. 2141.
 Maggini, F. 1084, 3186.
 Maggiora, L. 5422.
 Magliothin, P.D. 6292.
 Magnus, L. 1768.
 Magrum, L.J. 260.

- Magun, B.E. 4633.
 Maher, D.L. 1438.
 Maher, P. 6272.
 Mahler, I. 3613.
 Mahmud, I. 1622.
 Mahy, B.W.J. 745.
 Maia, E. 1752.
 Maidhof, A. 2519.
 Maier, G. 2754.
 Mainz, D.L. 2049.
 Maio, J.J. 2366, 2493, 5202.
 Maisel, J. 1930.
 Maiti, M. 951.
 Maitra, U. 2098.
 Maizel, J.V. 3182.
 Maizel, J.V., Jr. 4268, 4827, 5020.
 Maizumi, H. 3135.
 Majima, R. 1327.
 Majumdar, A. 2602.
 Majumdar, D. 1575.
 Majumdar, A. 225.
 Majumdar, K.C. 5850.
 Majumder, H.K. 2098.
 Mak, I. 2642.
 Mak, S. 2642.
 Mak, T.W. 5682.
 Makarov, V.L. 3878, 3879, 5877.
 Makarova, O.V. 2656.
 Makarovskaja, E.E. 3035.
 Makhlaeva, R.F. 5973.
 Makhno, S.V. 1909.
 Makhno, V.Z. 1909.
 Maki, A.H. 1867.
 Maki, H. 2315.
 Maki, M. 5337.
 Maki, R.A. 3920, 5050.
 Makino, F. 2432, 2957.
 Makitruk, V.L. 1826.
 Makoveyev, V.I. 859.
 Makula, D.M. 2785.
 Malakhov, A.G. 5230.
 Malarska, K. 4387.
 Malathi, V.G. 2200, 3419.
 Malcolm, D. 2903.
 Malcolm, D.B. 5395.
 Malcolm, S. 1988.
 Malec, J. 683, 1637, 3865.
 Maleeva, N.E. 368, 2314, 5657.
 Malenkov, G.G. 4980.
 Malfoy, B. 3123, 3893.
 Malherbe, H. 937.
 Malhotra, L.C. 4263.
 Maliga, P. 4787.
 Malik, V.S. 3498.
 Malikov, I.G. 2433.
 Malinauskaitė, L.D. 2653.
 Malinauskas, A. 700.
 Malinina, L.V. 3610.
 Malke, H. 5088, 5156.
 Malkiewicz, A. 1278.
 Mallavia, L.P. 2540.
 Malone, M.M. 2356, 2396.
 Malyshev, A.B. 3294.
 Malz, M. 1603.
 Malz, W. 1605.
 Mamaev, N.N. 5817.
 Mamaev, V.P. 645, 3336.
 Mamet-Bratley, M.D. 1068, 379.
 Mammerickx, M. 5806.
 Manao, G. 2877.
 Manchak, J.M. 1681.
 Mandel, J.L. 3179.
 Mandel, M. 950, 5357.
 Mandel, P. 539, 1320, 1871, 4719, 5731.
 Mandelsiam, J. 4007.
 Mandybur, T.J. 2139.
 Manen, C.-A. 3265.
 Manes, C. 3073.
 Mangel, W.F. 2205.
 Mangia, F. 2032.
 Mangiarotti, G. 770.
 Mani, J.-C. 5281, 5282.
 Maniatis, G.M. 2245.
 Manigault, P. 5725.
 Manikin, A.A. 428.
 Manikin, E.A. 428.
 Maniloff, J. 2765, 5597, 5933.
 Manis, J. 5178, 5349.
 Manis, J.J. 3156.
 Manku, M.S. 3348.
 Manly, K.F. 4714.
 Mann, D.E., Jr. 6057.
 Mann, D.M.A. 2606.
 Mann, R.S. 5303.
 Mann, S.K. 1214.
 Mann, W. 3828.
 Mannella, C.A. 4536.
 Mannick, J.A. 2662, 4813.
 Mannik, M. 3849.
 Manning, G.S. 1305, 1496.
 Manning, J. 3923.
 Mannini Palenzona, A., 115.
 Mannino, P. 754.
 Mano, Y. 1725, 2659, 3271.
 Manojlovic, N. 6061.
 Manor, H. 3832.
 Mans, R.J. 4296.
 Manson, J.I. 3340.
 Mansy, S. 4154, 4156.
 Manteuffel-Cymborowska, M. 4104.
 Manteuil-Brutlag, S. 2717.
 Mantovani, A. 2446.
 Mantsch, H.H. 2956.
 Manuelidis, L. 2899, 4466.
 Mao, J. 3382.
 Mar, E.-C. 4019.
 Marais, A. 1752.
 Maraldi, N. 1366.
 Maranon, J. 33, 1257, 4687.
 Marathe, S.B. 5411.
 Marazia, T. 3186.
 Marbaix, G. 2973, 3072, 4366, 4917, 5786.
 Marcelli, G. 3085.
 Marchenko, V.T. 3102.
 Marchin, G.L. 1887, 1888.
 Marchiori, F. 2441.
 Marcialis, M.A. 2157, 2158, 5441.
 Marciniak, K. 602.
 Marck, C. 2554, 2702, 4176, 4177, 4410, 4417.
 Marcker, K.A. 4506.
 Marcu, A. 787.
 Marcu, D. 3725, 4752.
 Marcu, K. 4752.
 Marcu, K.B. 3429, 3822, 4644.
 Marcus, A. 1457, 2213, 4724.
 Marcus, P.I. 334, 2576, 4319.
 Marcus, S.L. 1309, 2837, 2842, 6206.
 Marczynski, B. 392.
 Mardiney, M.R., Jr. 2101.
 Marec, J. 3191.
 Marecek, J.F. 697.
 Mares, V. 499, 1044.
 Margaritella, P. 4780.
 Margison, G.P. 1594, 1970.
 Mariani, D. 5824.
 Marilley, M. 5077.
 Marin, B. 3777.
 Marin, K. 1884.
 Marineau, E.J. 5652.
 Marini, J.C. 2678.
 Marini, M. 212.
 Marinina, V.P. 3578.
 Marinova, Ts. 3952.
 Mariotti, D. 6032.
 Mark, D.F. 1544.
 Markaverich, B.M. 5747.
 Markham, A.F. 4042.
 Markham, P.D. 3973.
 Markham, R.H.C. 4142.
 Markiewicz, W.T. 668.
 Markiewicz, W. 1835.
 Markiewicz, W.T. 4167.
 Markov, G.G. 457, 4452.
 Markova, L.F. 3010.
 Marks, P.A. 333, 2245, 3933, 5840.
 Markwald, R.R. 4511.
 Markwick, J.R. 2047.
 Maroney, P.A. 2596.
 Marongiu, M.E. 2157, 2158.
 Maroun, L.E. 874, 3091.
 Marquis, D. 5615.
 Marrakechi, M. 1080.
 Mars, H. 3119.
 Marshak, T.L. 6244.
 Marshall, A.J. 1209.
 Marshall, R.C. 5097.
 Martegani, E. 4790.
 Martel Pelletier, J. 1005.
 Martel, P. 1263.
 Martial, J. 4014, 5750.
 Martial, J.A. 372, 837, 2011.
 Martignoni, M.E. 2348.
 Martin, G.R. 4658.
 Martin, C.N. 1027.
 Martin, D.M. 2714.
 Martin, D.W., Jr. 1851, 4585.
 Martin, D.W., Jr. 1284.
 Martin, D.Z. 2886.
 Martin, J. 6171.
 Martin, L. 6058.
 Martin, M.A. 6080.
 Martin, N.C. 2983.
 Martin, R.F. 3131.
 Martin, R.G. 1172, 2887.
 Martin, R.P. 1879.
 Martinez, O. 5632.
 Martini, G. 129.
 Martorell, R., 530.
 Marty, L. 625.
 Maruhashi, K. 5424.
 Maruo, B. 2201.
 Maruo, N. 4380.
 Marushige, K. 4618.
 Marushige, Y. 4618.
 Maruyama, S. 3031.
 Maruyama, T. 3715, 4128.
 Maruyama, Y. 5130.
 Marvaldi, J. 2576.
 Marx, J.L. 17, 3320, 4672.
 Marx, K.A. 612.
 Maryak, J.M. 4829.
 Maryash, L.I. 3682.
 Marzilli, L.G. 639, 5420.
 Marzinzig, E. 1354.
 Marzotto, A. 1097.
 Masamune, Y. 1314, 5359.
 Mascarenhas, J.P. 4895, 4896.
 Maschewske, E. 5482.
 Masera, G. 861.
 Mashimo, S. 1624.
 Mashko, S.V. 952, 3871.
 Mashkowitz, Y.W. 2484.
 Masiakowski, P. 4213.
 Masiaz, F.R. 2729.
 Masker, W.E. 5007.
 Maskova, H. 976.
 Maslova, S.V. 998.
 Masters, M. 5978.
 Mastro, A.M. 2406.
 Masui, Y. 5113.
 Masuyuk, A.I. 839.
 Matagne, R.F., 6087.
 Matarese, G.P. 862.
 Mate, U. 1503.
 Mathelet, M. 5292.
 Mather, J. 622.
 Mathes, R. 124.
 Matheson, A.T. 4231.
 Mathew, T. 3471.
 Mathews, M.B. 800, 4283.
 Mathur-De Vre, R. 2694, 2696.
 Matinyan, K.S. 2574.
 Matousek, J. 533, 1679, 5212.
 Matsokis, N. 2429.
 Matsubara, K. 2143.
 Matsuda, K. 1280.
 Matsuda, S. 6192.
 Matsui, I. 123.
 Matsui, M. 789.
 Matsui, S. 410, 611.
 Matsui, T. 1121.
 Matsukage, A. 569, 6201.
 Matsumoto, H. 1755, 5974.
 Matsumoto, K. 6024.
 Matsumoto, S. 1259.
 Matsumoto, T. 1170.
 Matsumura, P. 520.
 Matsuoka, O. 2964, 2965, 2966.
 Matsushima, T. 706, 3639.
 Mattern, M.R. 973, 2375.
 Mattes, R. 4428.
 Matteson, D.S. 3337.
 Matteucci, P. 6273.
 Matthes, E. 1290, 4641.
 Matthes, M. 5003.
 Matthews, D.E. 3024.
 Matthews, E.A. 5625.
 Matthews, H.R. 2360, 3658, 4068.
 Matthews, R.E.F. 2259.
 Matthews, T. 1470.
 Mathies, H. 3016.
 Matthies, M. 542.
 Matthyssens, G. 4679, 5164.
 Mattoccia, E. 3593.

- Mattson, T. 2057.
Matumoto, M. 1401.
Maturin, L.J. 2911.
Matyasova, J. 4048, 4079.
Matzura, H. 2422.
Maura, A. 909, 5862.
Maurer, R.A. 1945.
Maurice, P. 1058, 2516.
Maurizot, J.-C. 1860, 3742, 3870, 4181.
Mauron, A. 2282.
Maxam, A.M. 3448, 3706, 4279, 4460.
Maxwell, G.M. 3340.
Maxwell, I.H. 4804.
May, D.C. 1618.
Mayama, M. 2276.
Mayer, H., 4987.
Mayer, F. 1801.
Mayer, H. 3198, 5174, 5233.
Mayfield, J.E. 5965.
Maynard-Smith, S. 5595.
Mayr, U. 5605.
Mazanov, A.L. 4412.
Mazen, A. 2131.
Mazhul, L.A. 1925.
Maznikova, L.F. 5878.
Maznina, T.P. 502.
Mazo, M.A. 3511.
Mazumder, A. 5078.
Mazumder, R. 2200, 3419.
Mazur, G. 2144.
Mazurik, V.K. 1715.
Mazus, B. 3321.
Mazzara, G.P. 2562, 3384.
- McAllister, R.M. 5819.
McAllister, W.T. 443, 1112, 2641, 4349, 4864, 5018.
McAuliffe, C.A. 5522.
McBride, O.W. 2070.
McCaffrey, R.P. 6204.
McCall, B.M. 3575.
McCalla, D.R. 383, 5129.
McCarron, R. 4864.
McCarron, R.J. 1112, 4349, 5018.
McCarthy, B.J. 2094, 3478.
McClain, W.H. 2562, 2563, 3384, 4745.
McCloskey, J.A. 2935, 5464.
McClure, P.D. 4809.
McCombe, P. 2242.
McConnell, D.J. 5232, 5910.
McCorkle, G.M. 2725.
McCormick, J.E. 5458.
McCormick, K.J. 437.
McCowen, S.M. 5890.
McCready, S.J. 620, 962.
McCully, J. 3515.
McCune, B.K. 3823.
McCune, R.A. 5445.
McCune, S.A. 736.
McCutchan, T. 2991.
McDermid, A.C. 1027.
McDonald-Ordzie, P.E. 4287.
McDowell, C.A. 650.
McElhinney, R.S. 5458.
McEwan, R.N. 1730.
McFall, E. 3236.
McFarlane, W. 5417.
McGeoch, D.J. 745.
- McGinnis, J. 2665, 3487.
McGowan, J.A. 2048.
McGrath, B. 3388.
McGrath, C.M. 5652.
McGrogan, M. 3045.
McGuire, P.M. 380.
McGuire, W. 4513.
McHenry, C. 6198.
McHugh, J.E. 2648.
McInnes, J. 1475, 5660.
McIntyre, N.S. 5400.
McKay, E.L. 4578.
McKay, L.L. 4943.
McKay, R.D.G. 3930.
McKee, E.E. 5594.
McKee, J.R. 42.
McKenna, J.F. 5965.
McKenna, M.A. 5923.
McKercher, R.B. 3235.
McKerns, K.W. 298.
McKinnon, K. 730.
McKnight, G.S. 4874.
McKnight, S.L. 1202.
McLachlan, A.D. 2202.
McLaughlin, C.S. 620, 962, 1442.
McLean, M.J. 3100.
McLellan, T.S. 3905.
McLennan, A.G. 3693, 4105.
McMacken, R. 989, 5087.
McMaster, G.K. 230.
McMeekin, T.A. 953.
McMillan, S. 1604.
McMillan, M.W. 5278.
McMillan, R. 2455.
McNair, H.M. 422.
McNaughton, D.R. 2190.
McParland, R.H. 2348, 4448, 4449.
McReynolds, L. 5063.
McReynolds, L.A. 2056.
McShane, T. 5196.
Meager, A. 2979.
Means, A.R. 1493, 1927, 4607, 5322.
Meares, C.F. 2457.
Meares, J.D. 6016.
Mears, J.G. 3184.
Mebus, C.A. 4832.
Mechali, M. 5358, 6200.
Mechitov, V.I. 3428.
Medeiros, E. 1556.
- Mednikov, B.M. 5059, 5935.
Medoff, G. 2455.
Medvedev, Z.A. 3289.
Medvedeva, G.A. 4931.
Medvedeva, M.N. 3289.
Medvedkova, V.V. 2044.
Mee, L.K. 6274.
Meedel, T.H. 3006.
Meehan, T. 1971, 2687.
Meerson, F.Z. 3843, 5764.
Mehta, A.R. 1431.
Meier, H. 871.
Meijer, M. 5832.
- Meijlink, F.C.P.W. 2004, 2006.
Meinke, M. 3770.
Meinke, W. 352.
Meisler, A.I. 1351.
Meister, R. 192.
- Meistrich, M.L. 2307, 2308.
Mel'nikov, A.A. 3238.
Mel'nikova, M.P. 3554.
- Melamed, M.R. 1477, 1478, 2894, 3425.
Melamede, R.J. 991, 4147.
Melbye, S.W. 2804.
Melchers, F. 5364.
Meldrajs, J. 5775.
Melechen, N.E. 5732.
Melero, J.M. 6004.
Melius, P. 5522.
Mellado, R.P. 3305.
Mellett, L.B. 5444.
Melli, M. 285.
Mello, M.L.S. 1197.
Melloul, D. 4246.
Melnick, J.L. 3230.
Melnik, S.Ya. 672, 5448.
Melnikov, S. 3807.
Melnikova, A.F. 4008.
Melton, D.A. 5327.
Mendeki, J. 3838.
Mendelsohn, J. 3588, 3589.
Mendez, B.S. 877.
Meneghini, R. 1601, 4403, 4405.
Menegus, M.A. 4564.
Menguzzi, G. 3264, 5347.
Menezes, H. 3103.
Menezes, J. 3348, 6116.
Mengel, R. 665, 674, 2163, 5453.
Mengheri, E. 216.
Mengual, R. 4273.
Menna, A. 1535.
Mento, S.J. 4315.
Merault, G. 5587.
Mercer, I.M., 1768.
Meredith, G. 3541.
Meresz, M. 98.
Meretey, K. 4716.
Mergeay, M. 6122.
Merigan, T.C. 4144.
Merkel, C. 3038.
Merkulova, N.A. 5948, 5985.
Merkulova, T.I. 1430.
Merler, E. 3587.
Merlo, D.J. 4982, 5180.
Merregaert, J. 801, 3433, 5678.
Merriam, G.R., Jr. 4935.
Merrick, W.C. 2229.
Merriitt, E.A. 5523.
Merski, J. 4051.
Mertens, G. 5789.
Mertens, M. 2539.
Mertens, P.P.C. 4885.
Mertes, M.P. 5422.
Mertvetsov, N.P. 2588, 4329, 4795, 5666.
Mertz, J.E., 4313.
Mertz, J.E. 1653.
Meselson, M. 820, 3001.
Messer, W. 5832.
Messineo, L. 1754.
Messing, J. 517, 5906.
Metafora, S. 190.
Metcalf, C. 4142.
Meteliev, V.G. 3580.
Mets, L.J. 4456.
Metspalu, A.H. 5713.
- Mettie, R. 1918.
Metz, A. 2329.
Metz, C.G. 5435.
Metzger, E. 2797.
Meuzelaar, H.L.C. 5551.
Mewissen, D.J. 4713.
Meyer zum Buschfenelde, K.H. 5290.
Meyer, B.J. 4093.
Meyer, G.-J. 1265.
Meyer, J. 4827, 5903.
Meyer, J.S. 303, 3565.
Meyer, M. 4335.
Meyer, R. 4464, 4944, 4989.
Meyer, R.B., Jr. 4120, 5407.
Meyer, R.J. 461.
- Meyers, A.I. 5850.
Meyers, M.B. 4034, 4035.
Meyhack, B. 6148.
Meyn, M.S. 2385.
Meyn, R.E. 1048.
Meynell, G.G. 3159.
Meza, I. 4845, 4918.
Mezentseva, M.V. 643.
Mezger-Freed, L. 2386.
Mezquita, C. 2492.
Mezzetti, G. 1125.
Mgladze, G.N. 424.
Miao, R. 2358.
Michael, S. 5616.
Michaels, H.B. 4726, 5867.
Michalides, R. 805, 4531, 5270.
Michalopoulos, G. 6044.
Michalova, K. 6276.
Michalowski, J. 5277.
Michalski, J.P. 3283.
Michas, J. 2734.
Michel, S. 3828.
Michl, J. 3191.
- Micke, M.A. 68, 659.
Mickel, S. 6047.
Mickwitz, C.-U. 4077.
Micu, D. 3845.
Midorikawa, Y. 528, 581.
Miettola, I. 1189.
Mihalescu, E. 3845.
Mikami, E. 4806.
Mikami, H. 5042.
Mikami, T. 2436.
Mikelsen, P. 5841.
Mikhailopulo, I.A. 101.
- Mikhailov, G.A. 5763.
Mikhailov, S.N. 1684, 1686, 2972.
Mikhajlova, A.V. 2249.
Mikhalko, A.P. 5230.
Mikhejeva, A. 3807.
Miki, H. 4128.
Miki, T. 4983.
Miklos, G.L.G. 2888.
Miksche, J.P. 2676, 3559.
Mikstais, U.Ya. 80, 81, 1274.
Mikulik, K. 976, 1947.
Mikulovich, T.P. 4342, 4343.
Milanes, G. 3264.
Milanesi, G. 5347.
Milavetz, B.I. 5271.
Milchev, G.I. 2982, 3366.
Mildner, B. 1234, 1952, 2329, 5557.

- Mildvan, A.S. 6176.
Miles, D.L. 69, 2946.
Miles, D.W. 69, 2946.
Miles, H.T. 4730.
Miles, M. 2577.
Milford, A.F. 5478.
Milgrom, E. 1960.
Mill, A.H. 5109.
Miller, B.E. 869.
Miller, C.A. 5234.
Miller, C.O. 5434.
Miller, D. 777, 2599.
Miller, D.A. 1789.
Miller, D.L. 170, 1395, 2235, 2236, 5643.
Miller, D.M. 5069.
Miller, E.C. 1972.
Miller, E.T. 874.
Miller, F.A. 5485.
Miller, H.I. 3165.
Miller, J. 5178, 5349.
Miller, J.F. 3607.
Miller, J.H. 2723, 2794, 3917.
Miller, J.R. 4983.
Miller, J.S. 4822, 4823, 4882.
Miller, L.K. 3615, 5034.
Miller, M.R. 3566, 6072.
Miller, O.L. 1202.
Miller, R.C., Jr. 5904, 6077.
Miller, R.H. 5031.
Miller, R.L. 1618.
Miller, S.A. 6069.
Miller, T.E. 3423, 3649.
Miller, T.N. 4149.
Miller, W.C. 4044.
Milleville, M. 4658.
Mills, B. 4521.
Mills, D. 1440, 5133.
Mills, G.C. 584.
Mills, N.C. 4607, 5322.
Millward, S. 82.
Milovatskii, V.S. 5671.
Milstien, J.B. 4573, 5550.
Minaev, V.E. 150.
Minagawa, T. 2753, 5006.
Minami, M. 4113.
Minamoto, K. 4704.
Minarova, E. 3191, 3597.
Minchenko, A.G. 2285.
Minchenkova, L. 4419.
Minchenkova, L.E. 3867.
Mindlin, S.Z. 2456.
Miner, T.A. 4762.
Minkel, D.T. 2408.
Minkler, J.L. 6289.
Minks, M.A. 3788.
Minowada, J. 2841, 4648, 6189.
Minshew, B.H. 2703.
Minson, A.C. 2260, 3986.
Minyat, E. 4419.
Miorner, H. 2401.
Mirakilova, M.M. 5770.
Miralles, J. 3420.
Mirault, M.-E. 5759.
Mirels, L. 1061.
Mirkes, P.E. 2652.
Mirre, C. 4540, 6127.
Mirvish, S.S. 2778.
Mirzabekov, A.D. 368, 1184, 1798, 3659, 4008.
Misfeldt, M.L. 5781.
Mishenina, G.F. 3733, 5541.
Misher, A. 2781.
Mishina, I.N. 6100.
Mishra, N.C. 1661.
Mishra, P.C. 2927.
Misra, V. 1001, 5735.
Misselwitz, R. 4074.
Misumi, M. 5633.
Misumi, Y. 5729.
Misurova, E. 464.
Mita, K. 377.
Mitchel, R.E.J. 3140, 5201.
Mitchell, A.R. 456, 2898, 4465.
Mitchell, G.N. 1164.
Mitchell, P.R. 4159.
Mitchell, R.B. 1041.
Mitlin, N. 2398.
Mittra, C. 1842, 2532.
Mittra, J. 5998.
Mittra, R.S. 2682.
Mittra, S. 1533, 1570, 2346, 2679.
Mitrijaev, A.B. 5248.
Mitrofanov, I.I. 824.
Mitsuhashi, S. 3316, 3331, 3684.
Mitsui, Y. 6146.
Mittelman, A. 3713, 5285, 5449.
Mitznegg, P. 1006.
Miura, K.-I. 2350.
Miura, Y. 1622.
Miwa, H. 4162.
Miwa, M. 706, 3639.
Miyajima, A. 3413.
Miyaki, M. 907.
Miyamoto, C. 2724.
Miyanoohana, E. 390.
Miyata, T. 3621, 4526.
Miyata, Y. 3955.
Miyawaki, H. 889.
Miyazaki, J.-I. 5006.
Miyazawa, Y. 203, 4233.
Mizui, T. 2454.
Mizukami, S. 2528.
Mizuno, D. 1122, 4847.
Mizuno, H. 63.
Mizushima, Y., 3643.
Mizutani, H. 5593.
Mizuuchi, K. 2858.
Mladenova, Y.P. 661.
Mochalova, L.V. 3431.
Mochizuki, D. 3949.
Mochizuki, N. 1514, 2824.
Mocquot, B. 505.
Modak, M.J. 6202.
Modak, S.P. 2426, 4264.
Model, P. 4904.
Modig, H.G. 1029.
Modolell, J. 1374, 1375, 1906, 5628, 5632.
Modrich, P. 1742, 2088.
Modyanov, N.N. 2831, 3262, 5240, 5241.
Moen, R.C. 3789.
Moerman, C. 982, 983.
Molfatt, J.G. 669.
Mohamed, N.A. 5699.
Mohanram, M. 1092.
Mohier, E. 3811.
Moise, H. 3680, 3681.
Mokina, V.D. 1832.
Molchanov, M.I. 3376.
Moldotashev, B.U. 2391.
Molin, S. 5081.
Molina, C.A. 4479.
Molinari, R.J. 1986.
Molinaro, M. 566.
Moll, H. 2547.
Moller, G. 713.
Moller, J.K. 4998.
Moller, W. 764, 3396, 4251.
Monaghan, W.P. 5387.
Monahan, J.J. 1927.
Monahan, T.M. 584.
Monaselidze, J.R. 424, 4640.
Mondal, H. 2102.
Mondal, S. 1050.
Moner, J.G. 2861.
Monier, J.C. 4047.
Monier, R. 5805.
Monjardino, J.P. 3829.
Montanaro, L. 1889.
Monteilhet, C. 5591.
Montelaro, R.C. 2501.
Montenegro, M.A. 5914.
Montesano, R. 1594, 1970.
Montgomery, J.A. 3334.
Monti-Bragadin, C. 1014, 4388.
Monti, M.G. 1125.
Montoya, A.L. 4982, 4997, 5180, 5891.
Moody, R. 2911.
Moore, E.C., 5291.
Moore, C.B. 3142.
Moore, C.J. 1974.
Moore, D.D. 5166.
Moore, D.F. 6009.
Moore, D.J. 4271.
Moore, E.C. 1745, 4673.
Moore, G.P.M. 3263, 4569.
Moore, I.B. 1671.
Moore, P.A. 5582.
Moore, P.B. 1896, 4229, 4779.
Moore, R.L. 3812.
Moore, S. 537, 2802.
Moore, S.K. 2344.
Moore, V.G. 728, 1338.
Moorman, A.F.M. 2626, 3990.
Mora, G.C. 4045.
Morales, N.M. 3447, 3815.
Moran, L. 5759.
Moras, D. 166, 2568.
Mordarski, M. 3172, 3544, 3545, 5941.
Mordoh, J. 3223.
Morelli Silva de Moraes, R.L. 357, 1486.
Morelli, G. 5914.
Moreno, G. 843.
Moreno, M.A. 3966.
Moretti, P. 1043.
Morgan, A.R. 1750, 3278, 3508, 3637, 5826, 5880.
Morgan, B.L.G. 872.
Morgan, E.A. 2357, 2418, 2513, 3813.
Morgan, H.E. 5594.
Morgan, J.P. 2151.
Morgan, R.O. 3348.
Mori, H. 63, 1246.
Mori, T. 240.
Morimoto, H. 3392.
Morimura, S. 1755, 5974.
Morinaga, T. 5607.
Morisawa, S. 123.
Morishita, M. 4700.
Morita, I. 482.
Morita, J. 3567, 3972.
Morley, C.D.G. 349.
Moroder, L. 2441.
Moroz, S.G. 4211.
Morozkin, A.D. 3552, 4525.
Morozova, E.O. 2607.
Morozova, T.M. 1430.
Morr, M. 5450.
Morrill, R.C. 3493.
Morris, P.W., 1136.
Morris, A.G. 1848.
Morris, D.R. 1046, 4505.
Morris, H.P. 2474, 5798.
Morris, N.R. 4946.
Morris, V.L. 1556.
Morrison, C.A. 200, 757, 3773.
Morrisey, R. 5750.
Morrisey, R.L. 6173.
Morrongio, M.P. 5257.
Morse, L.S. 443, 4439.
Morser, J. 4912.
Mortelmans, K. 397.
Morton, G.T. 5809.
Moruzzi, M.S. 1125.
Moscona, A. 3943.
Moscona, A.A. 120.
Moscovici, C. 2242.
Moseley, M.E. 5468.
Moses, A.C. 1580.
Moses, H.L. 557, 3042.
Moses, P. 2059.
Moses, R.E. 4548, 5849, 6196, 6197.
Mosevitsky, M.I. 6105, 6299.
Mosher, W.J. 5844.
Moskaleva, E.Yu. 1715.
Moss, B. 284, 3047, 4834, 5723, 5754.
Moss, H. 4006.
Mossel, A. 64.
Mossop, D.W. 3444, 4869.
Motteller, R.D. 719.
Moteki, M. 845.
Motoda, Y. 5855.
Motohashi, J. 5064.
Motoyoshi, K. 226, 1383, 4253.
Mottershead, R.P. 6199.
Mottura, A. 4501.
Motuz, L.P. 3417.
Moudrianakis, E.N. 388, 2336.
Moule, Y. 5492, 5600.
Mounolou, J.C., 2732.
Mouricou, M. 5584.
Mous, J. 338, 1463, 3004, 5795.
Moustacchi, E. 4399, 4407, 5866.
Movchan, Yu.R., 3115.
Moyer, G.H. 2106.
Moyer, M.P. 3603.
Moyer, R.C. 3603.
Moyer, R.W. 1086.
Moyné, G. 1776, 5051, 5329, 6050.

- Moyner, K. 771.
 Mozer, T.J. 1157.
 Mudd, J.A. 6314.
 Mueller, G.C. 2406.
 Mueller, S.N. 2220.
 Muench, K.H. 2202.
 Muhlach, W.L. 4715.
 Muhs, W. 2163.
 Mukai, J.I., 2077.
 Mukai, J.I. 2075.
 Mukai, T. 2815.
 Mukherjee, A.S. 1575, 3954.
 Mukherjee, B.B. 125.
 Mulder, C. 1539, 1642.
 Mulder, E. 2889.
 Mullenbach, T. 3947.
 Muller, M., 805.
 Muller-Hill, B. 517.
 Muller, H.K. 924, 1535.
 Muller, J.J. 4074.
 Muller, M. 1500, 1980.
 Muller, M.T. 5735, 6001.
 Muller, U. 6261.
 Muller, U.R. 1887, 1888.
 Muller, W. 362, 3125.
 Muller, W.E.G. 18, 2112, 2936, 3322, 4925, 5216, 5483.
 Mullin, B.C. 22.
 Mullinix, K.P. 2603, 3078.
 Mullins, D.W., Jr. 162.
 Mullins, J.I. 2883.
 Mulvey, R.S. 185.
 Munakata Yoshida, H. 329.
 Munakata, N. 1541, 2957.
 Munch-Petersen, A. 3246.
 Munch-Petersen, B. 577.
 Mund, C. 1591, 3205.
 Munk, K. 490, 2750.
 Munno, D. 4738.
 Munns, T.W. 5573.
 Munro, H.N. 191, 752.
 Munro, T.R. 1291.
 Munroe, W.A. 3281.
 Mura, C. 6056.
 Mura, U. 4032, 4131.
 Muradyan, Kh.K. 3039.
 Murai, K. 2815, 6141.
 Murai, N. 68, 659.
 Murakami, A. 92, 4113, 5967.
 Murakami, H. 1246, 4114.
 Murakami, H. 3364.
 Murakami, K. 1382.
 Murakami, S. 4682.
 Muranov, A.V. 3010.
 Muranova, T.A. 3010.
 Murao, K. 5562.
 Murasugi, A. 4748.
 Murata, F. 1600.
 Muren, R.C. 1371.
 Murgola, E.J. 5576.
 Muronetz, E.M. 3207.
 Murota, S.-I. 482.
 Murotsu, T. 2143.
 Muroyama, T. 5130.
 Murphy, E.C., Jr. 3764, 5790.
 Murphy, G.P. 5285.
 Murphy, R.F. 4123, 5437.
 Murphy, T.L. 722.
 Murray, K. 1102.
 Murray, M.L. 5886.
 Mursatim, J. 3243.
 Murthy, A.K. 2394.
 Murthy, M.R.V. 4263.
 Murthy, S.M. 1091.
 Murthy, U.S. 3834.
 Murti, K.G. 3921.
 Murty, C.N. 750, 2206, 5622.
 Musha, S. 4978.
 Mushet, G.V. 5231.
 Mushkacheva, G.S. 1595.
 Mushkambarov, N.N. 5289.
 Musich, P.R. 2366, 2493, 5202.
 Musielski, H. 3828.
 Musolan, C. 6084, 6135.
 Musso, R. 2901.
 Mustafa, S. 2243.
 Mustoe, T.A. 1931, 3537, 3538, 6114.
 Muto, A. 4291, 5727.
 Muto, M. 3036.
 Muxinova, K.N. 618.
 Myakinin, V.B., 4563.
 Myers, C.E. 4694.
 Myers, D.K. 3502.
 Myers, P.A. 549, 1102, 4546, 4547.
 Myers, R.E. 3407.
 Mylroie, J.R. 2495, 3237, 6120.
 Myser, W.C. 2028, 2029.
 Myulberg, A.A. 3301.
 Nadal-Ginard, B. 5665.
 Nadeau, P. 601.
 Nag, A. 1575.
 Nagahari, K. 2416.
 Nagaiishi, H. 2417, 4993, 5177.
 Nagamatsu, T. 1822.
 Nagano, H. 1725, 3271.
 Nagano, K. 3763.
 Nagao, M. 904.
 Nagarkatti, S. 2236.
 Nagasawa, H. 480.
 Nagasawa, T. 856.
 Nagata, S. 2239, 4253.
 Nagata, T. 1600.
 Nagawa, F. 5227.
 Nagel, K. 5645.
 Nagl, W. 1810, 3934, 4507, 5976.
 Nagley, P. 5054.
 Nagy, J. 4754.
 Nahler, G. 3229.
 Naidjenova, N.M. 150, 3871.
 Naik, S.R. 5512.
 Nair, C.K.K. 2744.
 Nair, C.N. 2650.
 Nair, P.P. 5078.
 Naito, T. 6191.
 Najman, L. 3862.
 Nakada, D. 6078.
 Nakajima, K. 5686, 5689.
 Nakajima, S. 2789.
 Nakamoto, T. 2222, 2578, 3412.
 Nakamura, A. 4208.
 Nakamura, F. 3184.
 Nakamura, H. 4700.
 Nakamura, M. 3282, 4921.
 Nakamura, S. 1626, 2454, 5149.
 Nakamura, T. 3677.
 Nakanishi, K. 4380.
 Nakanishi, M. 1913.
 Nakanishi, S. 4921.
 Nakanishi, T. 2953, 2954.
 Nakanishi, Y. 4847.
 Nakano, K. 5638.
 Nakanoin, K., 224.
 Nakashima, H. 5773.
 Nakaso, A. 948.
 Nakaya, R. 3219.
 Nakayama, C. 6201.
 Naktinis, V.I. 1798.
 Naktinis, V.J. 368.
 Nall, B.T. 3255.
 Nall, K.N. 1923, 3791.
 Namoradze, N.Z. 417.
 Nancarrow, G.E. 4512.
 Nance, W.E. 736.
 Nandi Majumdar, A.P. 2226.
 Nandi, B. 354.
 Nandi, U.S. 89, 1513, 4389.
 Nanninga, N. 3940.
 Naqvi, Q.A. 836.
 Narancsik, P. 2216.
 Narang, C.K. 703.
 Narang, S. 6093.
 Narang, S.A. 1811, 4728.
 Narasimhan, S. 2878.
 Naray, A. 2104.
 Narayan, R.K.J. 460, 5825.
 Narayanan, N. 5538.
 Narayanan, P. 110, 3725, 4200.
 Narayanan, P.R. 5553.
 Narayanaswami, A. 2127, 4622.
 Narbaitz, R. 2050.
 Nardi, I. 453, 1788.
 Narita, K. 4557.
 Narita, T. 6151.
 Naroditckaja, B.A. 3524.
 Naroditsky, B.S. 550, 2721, 4440, 4542, 5167.
 Narovec, T. 1044.
 Narsili, G. 1043.
 Narui, K. 6023.
 Narurkar, L.M. 1883.
 Narurkar, M.V. 1883.
 Nash, H.A. 3695.
 Nash, R.E. 1776.
 Nasiell, M. 5820.
 Nass, G. 1325, 4760.
 Nass, K. 4005.
 Nass, M.M.K. 3551.
 Nasser-Quinones, H. 5498.
 Nassimbeni, L.R. 2162.
 Natali, P.G. 3286.
 Natarajan, A.T. 6301.
 Nath, K. 1547, 4455.
 Nath, R. 3576.
 Nathans, D. 945, 4532.
 Natori, S. 2659, 4847.
 Natori, T. 1141.
 Natori, Y. 328.
 Natter, W. 1654.
 Naumov, G.N. 5630.
 Navarro, A., 6127.
 Navia, M.A. 1862.
 Navickas, J.J. 4237.
 Nayak, D.P. 5837.
 Nazar, R.N. 4843.
 Nazarenko, I.A. 3629.
 Nazaryan, K.B. 824.
 Neal, E.A. 4144.
 Nealon, T. 1748.
 Nebert, D.W., 4963.
 Nebert, D.W. 3134.
 Necco, A. 1613, 5851.
 Nedorezova, T.P. 5448.
 Nedospasov, A.A. 2533.
 Nefedieva, N.N. 2555.
 Negruk, V.I. 2609.
 Neidhardt, F.C. 3766.
 Neidle, S. 154, 2184, 5469.
 Neifach, S. 2745.
 Neifakh, S.A. 1938, 3553, 3554.
 Neilson, T. 3716, 5644.
 Neish, G.A. 1491.
 Nelipovich, A.P. 302.
 Nelson Ayres, K. 2733.
 Nelson Rees, W. 4824.
 Nelson, D.A. 5326.
 Nelson, J.A. 584.
 Nelson, J.H., Jr. 531.
 Nelson, L. 6284.
 Nelson, N.F. 2453.
 Nelson, P.G. 2268.
 Neoh, S.B. 5864.
 Nes, I.F. 1698.
 Neshier, R. 1703.
 Nester, E.W. 828, 4982.
 Nester, F.W. 5180.
 Nesterenko, O.A. 2727.
 Nesterova, G.F. 5671.
 Neubort, S., 914.
 Neugebauer, K. 3240.
 Neuhaard, J. 4043.
 Neumann, D. 4342.
 Neumann, J. 4608.
 Neumann, J.M. 677.
 Neumann, J.R. 1762.
 Neumann, R. 4385.
 Neumuller, J. 4599.
 Neurohr, K. 2956.
 Neustroev, G.V. 5145.
 Neuwelt, E.A. 2435.
 Nevins, J. 3841.
 Nevins, J.R. 1323, 3082.
 Nevinsky, G.A. 744.
 Newberry, V. 5608, 5655.
 Newbury, H.J. 3846.
 Newell, N. 937.
 Newlon, C.S. 4985.
 Newman, C.N. 2018.
 Newman, J.F.E. 1470, 5690.
 Newman, R.A. 4235.
 Newman, T. 4755.
 Newrock, K.M. 4856.
 Newton, A. 1890, 3052, 4851.
 Newton, M.G. 2535.
 Ng, L.-K. 5864.
 Nguyen-Huu, M.C. 1394, 3071.
 Ni'fhaolain, I. 4597.
 Niaz, G.R. 5159.
 Nichols, B.P. 1530, 3908.
 Nichols, D.L. 4916.
 Nichols, J.C. 3466.
 Nichols, J.L. 4306, 5719.
 Nickerson, K.W. 3823.
 Nicklen, S. 1519.
 Nickolaev, A.I. 4457, 1412.

- Nicola, C.U. 2943.
 Nicola, N.A. 3654.
 Nicolaidis, A.A. 5943.
 Nicolas, R.H. 1192.
 Nicolau, G.Y. 310.
 Nicolini, C. 2893.
 Nicoloso, M. 1196.
 Nicolson, G.L. 3355.
 Nicolson, M.O. 5819.
 Nicotra, A. 565.
 Niculescu-Duvaz, I. 43.
 Niedergang, C. 1320, 1871.
 Niedermuller, H. 4491.
 Niedzwiecka, J. 2734.
 Niel, F. 5462.
 Niemeyer, A. 5220.
 Nienhuis, A.W. 237, 5069.
 Nierhaus, K.H. 1369, 2593, 5627, 5631.
 Nierlich, D.P. 4908.
 Nieuwenhuysen, P. 5619.
 Nigon, Y. 522.
 Nigulyanu, V.I. 838.
 Niho, Y. 6141.
 Niityla, J. 3390.
- Nijkamp, H.J.J. 2922, 2999, 3158, 4991, 5000, 6092.
 Nikbakht, K.N. 1471.
 Nikitin, V.N. 4778.
 Nikitina, Z.K. 3996, 4259.
 Nikoforova, N.V. 6242.
 Nikol'skaya, I.I. 5288.
 Nikolaev, A.Ya. 576.
 Nikolaev, L.G. 4073, 5302, 6241.
 Nikolajeva, G.V. 5946.
 Nikolayeva, L.V. 5599.
 Nikolayeva, N.V. 4936.
 Nikolayevskaya, N.G. 618.
 Nilsson, L. 1958.
 Ning Kwan, C. 1685.
 Nisanov, V.Ya. 1675.
 Nisbet, A.D. 5063.
 Nisen, P.D. 4530, 5171.
 Nishida, K. 6161.
 Nishikawa, S. 4042.
 Nishimoto, H. 5734.
 Nishimoto, T. 1619.
 Nishimune, Y. 4510.
 Nishimura, S. 585, 5464.
 Nishimura, T. 680, 4145, 4149.
 Nishimura, Y. 693.
 Nishinaga, K. 856.
 Nishio, K. 4749.
 Nishio, Y. 5729, 5762.
 Nishioka, Y. 2209, 5598.
 Nishizuka, Y. 1190.
 Nisman, B. 817.
 Nissen-Meyer, J. 3785.
 Nissinen, E. 3341.
 Nissley, S.P. 1580.
 Nitta, T. 785, 1924.
 Niu, M.C. 3100.
 Niwa, O. 2707.
 Niyazmatov, A.A., 2451.
 Niyogi, S.K. 1224, 2290, 2679.
 Nobis, P. 4261.
 Noble, D.W. 627.
 Nocentini, S. 843.
 Nock, A. 3853.
 Nogi, K. 658.
- Noguchi, S. 5464.
 Noguchi, T. 3109, 5769.
 Noji, S. 905.
 Nokin, P. 3072.
 Nolan, R.D. 779, 1378.
 Noll, F. 1893, 2217, 5621.
 Noller, H.F. 2622, 5706.
 Nomoto, A. 1245, 1404.
- Nomura, M. 1998, 1999, 2000, 2001, 2062, 2201, 2357, 2418, 2513, 3053.
 Nonoyama, M. 4772, 5927.
 Noonan, N.E. 316.
 Noordermeer, I.A. 2791.
 Norden, B. 4954.
 Nordlind, K. 1007.
 Nordstrom, K. 5081, 5084.
 Norgard, M.V. 4533.
 Norkin, L.C. 4226.
 Norman, B. 1065.
 North, A.B. 4300.
 Northcote, D.H. 3854.
 Northemann, W. 596.
 Northrop, F.D. 4435.
 Norton, L.A. 4522.
 Norton, P. 1135.
 Nosaki, Y. 4152.
 Nose, K. 657.
 Nosik, N.N. 6005.
 Nosikov, V.V. 1499, 3554, 4563.
 Noskin, L.A. 5105.
 Notman, H.J. 145, 1276.
 Notter, M.F.D. 4564.
 Nottoli, E.M. 5535.
 Nougarede, A. 3944.
 Novak, R.A. 1286.
 Novakova, M. 861.
 Nove, J. 3214.
 Novelli, G.D. 5667.
 Novello, F. 2294, 4055, 4064.
 Novello, F.C. 5296.
 Novick, R.P. 4986, 5123.
 Novikov, I.A. 4423.
 Novikov, V.K. 2609, 3051.
 Novikova, I.Yu. 1736.
 Novoshinov, G.P. 2433.
 Nowak, J.A. 5933.
 Nowak, T.S., Jr. 752.
 Nowakowski, M. 2906, 6306.
 Noyes, C.M. 1694.
 Nozu, K. 4321.
 Nudel, U. 333, 2245, 2973, 3933, 5840.
 Numa, S. 4921.
 Nuriddinov, R.N. 4788.
 Nurse, P. 3067.
 Nuske, R. 6195.
 Nuss, D.L. 4320.
 Nusse, R. 805, 4531.
 Nuti-Ronchi, V. 129.
 Nutter, R. 4982, 5180.
 Nuzzo, F. 4501.
 Nyarady, J. 2374, 2738.
 Nyby, M.D. 950.
 Nygard, O. 5649.
 Nyitrai, A. 1677.
 Nyman, P.-O. 5101.
- O'Brien, T.W. 3024.
 O'Brien, W.D. 42.
- O'Conner, P. 627.
 O'Connor, P.J. 2839, 4964, 5532.
 O'Day, D.H. 3068.
 O'Dea, M.H. 2858.
 O'Dell, M. 4937.
 O'Donnell, T.J. 2924.
 O'Farrell, P.H. 3980.
 O'Kane, D.J. 3660.
 O'Leary, M.K. 5476.
 O'Malley, A.F. 3474.
 O'Malley, B.W. 1493, 1927, 2056, 2514, 5063, 5962.
 O'Neal, D.L. 2648.
 O'Neill, F.J. 5017.
 Oakes, J.E. 434, 435.
 Oakley, J.L. 432.
 Oberst, R.J. 5573.
 Oblin, C. 476.
 Ochalska-Czepulis, M. 4067, 5342.
 Ochoa, S. 1914, 2210, 4252.
 Ockey, C.H. 5995.
 Oda, T. 509, 1631, 1721, 2879, 3217, 3677.
 Odintsova, M.S. 4787.
 Odinzov, V.B. 3754.
 Oei, T.L. 2109, 2850.
 Oeldorf, E. 3117.
 Oen, H. 4011.
 Oertel, W. 978, 5833.
 Oetting, W.S. 1128.
 Ofengand, J. 131, 4205, 4753, 5641.
 Oganjanyan, E.E. 4879.
 Ogata, S. 2766, 5104, 5106.
 Ogawa, K. 3784.
 Ogawa, T. 5130.
 Ogawa, Y. 727.
 Ogden, R.C. 94.
 Ogilvie, K.K. 3739, 5474.
 Ogita, T. 3643.
 Ogle, R.C. 2007.
 Ogura, H. 509, 642.
 Oh'Hara, I. 2135.
 Ohashi, M. 4072.
 Ohgi, K. 2085, 2813, 4558, 5225.
 Ohgi, T. 2167, 5464.
 Ohgushi, H. 1321.
 Ohl, S. 1940.
 Ohkawara, S. 1626.
 Ohki, M. 634, 1817.
 Ohlenbusch, H.H. 4084.
 Ohmori, H. 3706.
 Ohnishi, T. 4321.
 Ohnishi, Y. 2417.
 Ohno-Iwashita, Y. 2074.
 Ohno, S. 2866.
 Ohno, T. 3034, 3468, 3683, 4310.
 Ohnuma, N. 5114.
 Ohrt, J.M. 104.
 Ohsawa, H. 2201.
 Ohshima, Y. 2069.
 Ohta, N. 3052.
 Ohta, S. 1913.
 Ohtsubo, E. 2705, 2902, 6047.
 Ohtsubo, H. 2705, 2902, 6047.
 Ohtsuka, E. 3734, 4042.
 Ohtsuki, K. 227.
 Ohyama, K. 514.
- Oishi, M. 1656, 3572, 5229.
 Oja, S.S. 734.
 Ojala, D. 3932.
 Ojha, M. 450, 1546, 2367.
 Ojima, S. 1072, 1073, 6118.
 Oka, Y. 6192.
 Okabe, H. 5931.
 Okabe, J. 2297.
 Okada, Y., 3683.
 Okada, F. 305.
 Okada, M. 5247.
 Okada, N. 5464.
 Okada, S. 305, 1514, 2824.
 Okada, T. 5479.
 Okado, N. 585.
 Okagaki, T. 4928.
 Okai, Y. 4636.
 Okaichi, K. 4321.
 Okamoto, H. 342.
 Okamoto, M. 5896.
 Okamoto, T. 25.
 Okamura, S. 544.
 Okayama, H. 1319, 3655, 4594.
 Okazaki, H. 1320, 1871.
 Okazaki, T. 814, 5436.
 Okhrimenko, M.F. 5580.
 Okina, M. 2945.
 Okinaka, R.T. 1186.
 Okita, T.W. 1131, 1132.
 Okuda, A. 2783.
 Okudaira, H. 3643.
 Okugawa, I. 4704.
 Okuhara, E. 592.
 Okunewick, J.P. 1718.
 Okupniak, J. 4167.
 Okuyama, A. 5660.
 Olah, T. 1677.
 Olast, M. 1298.
 Old, J.M. 5715.
 Old, R. 5196.
 Oldiges, H. 2670.
 Oleggini, R. 3624.
 Oleinick, N.L. 2651.
 Olenov, Yu.M., 870.
 Oleynik, N. 5387.
 Olinescu, V. 3845.
- Olins, D.E. 582, 3299.
 Olinski, R. 923, 2325.
 Oliva, A. 4038.
 Oliver, D.R., 5173.
 Oliver, D.B. 2799.
 Oliver, S.G. 1079.
 Olivera, B.M. 2182.
 Olmsted, J., III. 4178.
 Oloff, H. 653.
 Olsen, G.A. 2192, 5555.
 Olsen, R.H. 4941.
 Olshevsky, U. 2303.
 Olshes, S. 228, 2580.
 Olson, A.C. 1570, 6040.
 Olson, J.A. 4546.
 Olson, M.V. 1662.
 Olson, W.K. 3359.
 Olsson, R.A. 2933.
 Olzsanska, B. 4297.
 Olszewska, M.J. 602, 3667.
 Omae, T. 2815, 6141.
 Omilianowski, D.R. 1470.
 Omine, M. 5144.
 Omori, A. 3614.

- Omura, H. 3364, 4114.
Omura, I. 5413.
Omura, S. 2879.
Onda, H. 6192.
Ondrej, M. 5163.
Onishi, H. 3252.
Onishi, T. 1121.
Ono, M. 3779.
Ono, T. 907, 2417.
Ono, Y. 590.
Ooi, T. 1687.
Opacka, J. 4387.
Oppenheim, A. 1565.
Oppenheimer, J.H. 3838.
Oppenheimer, N.J. 2181.
Oppermann, H. 3569.
Orbell, J.D., 5529.
Orbell, J.D. 5534.
Orehovich, V.N. 2587.
Oren, M. 5918.
Orf, J.W. 2883.
Orgel, L.E. 87, 5544, 5545.
Orioli, P.L. 2169.
Orkin, S.H. 2283, 5235.
Orlova, E.B. 1106.
Orlova, T.G. 2305.
Orlowski, M. 3066, 4220.
Orr, E.A. 663.
Orr, W.C. 5708.
Orrego, C. 6081.
Ortega Ruiz, J.M. 5194.
Orth, G. 944, 5926.
Ortheit, N. 5435.
Ortin, J. 3966.
Ornesu, M. 3624.
Osawa, S. 764, 3404, 5945.
Osborne, D.J. 4543.
Osborne, M.R. 393, 5858.
Osborne, W.R.A. 2469, 5284.
Oshima, T. 716.
Oshima, Y. 5042.
Osica, V.D. 3903, 4424.
Ospova, T.N. 4606.
Osley, M.A. 1890, 4851.
Ostadal, B. 499.
Ostanina, L.N. 408.
Oste, C. 897.
Osterberg, R. 1352.
Ostertag, W. 5674.
Ostrovskaya, R.M. 2897.
Ostrovsky, Y.M. 3003.
Osuji, G.O. 1302.
Osuna, C. 1701.
Otaka, E. 4785.
Otani, S. 123.
Otero, C. 3002.
Otsuki, Y. 3683.
Ott, A. 6011.
Ott, G.S. 3907.
Otter, B.A. 3343.
Otto, B. 4577, 5314.
Ou, C.-N. 3368, 3503.
Oudet, P. 6279.
Oura, E. 4852.
Oura, H. 856.
Ovcharuk, I.N. 3586.
Ovchinnikov, Yu.A. 1250, 3414, 3416, 3417, 5610.
Ovchinnikov, L.P. 4802.
Ovchinnikov, Yu.A. 3414, 3416, 5610.
Ovchinnikova, L.P. 5811.
Overall, J.C., Jr. 1299, 2192, 5555.
Overbeek, N. 3158, 3940.
Overton, G.C. 5058.
Ovrebø, S. 6188.
Owen, R.J. 3919.
Owens, D.P. 3394.
Owens, J.G. 2387.
Oxender, D.L. 5574, 5582.
Oxford, J.S. 6187.
Oya, A. 5743.
Ozaki, A. 1695, 2789.
Ozaki, S. 63, 100.
Ozeki, H. 2707, 3304.
Pace, B. 6148.
Pace, N.R. 6148.
Pachmann, U. 2997, 2998.
Pachter, B.R. 5998.
Padayatty, J.D. 826.
Padgett, R.A. 6009.
Padgett, T. 2242.
Padmanabhan, R. 2836.
Padvam, A. 4689.
Padykula, H.A. 5238.
Padyukova, N.S. 1686.
Paetkau, V. 3531, 5904.
Paffenholz, V. 3957.
Pagano, J.S. 3200.
Page, W.J. 5186.
Pages, M. 1551, 2266, 4650, 5352.
Paglia, L. 3087.
Pai, E.F. 572.
Paigen, B. 5876.
Paigen, K. 339.
Pain, V.M. 3424.
Paine, R.M. 5489.
Painter, R.B. 973, 2375, 5519.
Pakkenberg, H. 3711.
Pal, B.K. 4824.
Palacian, E. 2223.
Palchaudhuri, S. 4994.
Palcio, B. 5120.
Paldi, E. 3095.
Palecek, E. 400, 1504, 3137, 3894, 3895.
Palese, P. 3047, 4836, 5686, 5689.
Palfi, G. 1677.
Pallotta, D. 601.
Palm, E. 4954.
Palmer, D.W. 3283.
Palmer, J.E. 1017.
Palmer, R.A. 5461.
Palmerini, C.A. 78.
Palmieri, L. 3635.
Palmieri, M. 3114.
Palmieri, S. 5648.
Palmiter, R.D. 2208, 3789.
Paltsyn, A.A. 1445.
Palukaitis, P. 3444.
Pammenter, M. 340.
Pan, J. 5029.
Panasci, L.C. 4266.
Panayi, G.S. 2855.
Panayotatos, N. 848, 2825.
Panchaksharappa, M.G. 1390, 1391.
Panchenko, L.P. 2727.
Pandey, N.K. 1035.
Panet, A. 1143, 4031, 5272.
Pang-Ying, H. 5061.
Panicali, D.L. 2650.
Panigrahy, B. 437.
Panijel, J. 982, 983.
Pannekoek, H. 2791.
Pantaleo, N.S. 2535.
Pantarotto, C. 2446.
Pantev, T. 3952.
Panyim, S. 3034, 3468, 4310.
Paoletti, E. 2113, 4320, 4875, 5217.
Paoletti, J. 4632.
Paolillo, D.J., Jr. 1454.
Papas, T.S. 6209.
Paponov, V.D. 1183, 3297.
Pappelis, A.J. 506.
Paque, R.E. 1748.
Parajsz, C. 5605.
Pardee, A.B. 3566, 3595, 5997, 6072.
Pardo, D. 2583.
Pardon, J.F. 4069, 6281.
Pardue, M.L. 279, 296, 337, 616.
Parente, A. 4550.
Parenti, R. 1259.
Paretsky, D. 2291, 4902.
Parfait, R. 897, 1896, 3014.
Parfenov, N.N. 3914, 4438.
Parham, J.C. 3333.
Paris, A. 2546.
Parish, R.W. 2134.
Park, N.H. 5514.
Park, W.D. 6254.
Parker, D. 5669.
Parker, D.S. 1671.
Parker, G.R. 1745.
Parker, J. 2236, 3385.
Parker, M.G. 4328.
Parker, S.H. 2538.
Parkkinen, E. 4852.
Parks, N.M. 2049.
Parks, R.E., Jr. 2108.
Parlato, G. 5645, 5647.
Parmeggiani, A. 2234, 5645.
Parodi, S. 909, 1599, 2761, 5814, 5862.
Parola, A.H. 2544.
Parry, R.J. 5447.
Parsonage, M.T. 4884.
Parsons, J.T. 1071, 4923, 5684, 6049.
Parsons, S.M. 1151.
Parthasarathy, R. 58, 104., 5455, 5419, 5429.
Partington, G.A. 6125, 1200, 4313.
Partsch, G. 4599.
Pascual, V. 4798.
Pashev, I.G. 969.
Pasolov, V.S. 3993.
Passo, C. 1136.
Paszyk, S. 630.
Patel, A.J. 141.
Patel, D.J. 1303, 1868, 1869, 2187, 4411.
Patel, N.T. 2871, 5300.
Paterson, M.C., 397.
Paterson, 397.
Paterson, A.R.P. 5512.
Paterson, B.M. 878, 1996, 4911.
Paterson, M.C. 1607.
Patil, S.D., 5411.
Patil, M.S. 2878.
Patillon, M. 1696.
Patnaik, R.N. 5078.
Patrashev, L.I. 4888.
Patrick, M.H. 487, 567.
Patriinou-Georgoulas, M. 880, 879.
Patrusev, L.I. 2830.
Patt, S. 3757.
Pattabiraman, N. 1524, 2560.
Patte, J. 1781.
Patte, J.-C. 2199.
Patterson, M. 5032.
Patterson, A. 4706.
Patterson, E. 1038.
Patterson, R.A. 45.
Paucha, E. 2419.
Paul, A. 1952.
Paul, D. 6073.
Paul, I.J. 2896.
Paul, J. 802, 5196, 5388.
Pauli, A.P. 359.
Paulson, J.R. 1218.
Pautrizel, R. 3127.
Pauw, W. 5930.
Pavlick, D. 3372.
Pavlov, V.M. 523, 4415.
Pavlova, I.P. 1430.
Pavlovic, A. 4815.
Pavlovsky, A.G. 1096.
Pawelkiewicz, J. 174, 1335, 2984, 5581.
Pawlek, B. 1741.
Pawsey, S.A. 2035.
Payne, C.C. 2257, 4885.
Payne, P.I. 3459.
Pazmino, N.H. 1730.
Peale, A.L. 3727.
Pearlman, R.E. 2045.
Pearson, G.D. 4448, 4449.
Pearson, J.D. 2173.
Pearson, K.H. 1754.
Pearson, M.L. 6108.
Pearson, N.J. 1904.
Pearson, W.R. 1560, 1561.
Pedersen, F.S. 5689.
Pedersen, J.A. 5577.
Pedersen, R.A. 117, 2032.
Pederson, T. 1176.
Pedone, F. 6175.
Pedrali-Noy, G. 939.
Pedrinan, L. 531.
Pedrini, A.M. 5260.
Peebles, C.L. 2857, 4590.
Peeling, J. 3735, 5400.
Pecters, B. 338, 1463, 3004, 5795.
Pegg, A.E. 2690, 3222.
Pegoraro, B. 3224.
Pegrum, G.D. 2047.
Peguy, A. 690.
Pehling, G. 3034.
Pei, P.N. 2886.
Peisach, J. 5845, 5846.
Pelcher, L.E. 514.
Pelham, H.R.B. 815, 1469, 4771, 4884.

- Pelkonen, O. 3134, 4963.
 Pellicciari, C. 3668.
 Pellicier, L.A., 3987.
 Pellicier, A. 6117.
 Pendiya, L. 67, 4690.
 Peng, S. 4121, 4689.
 Penhoet, E.E. 4871, 5198, 5203.
 Penit, C. 2844.
 Penman, S. 1386, 3817, 4898.
 Penon, P. 1699.
 Penrose, D. 5682.
 Perahia, D. 1855, 5421.
 Perdue, M.L. 4863.
 Pere, J.-P. 3075.
 Perebitnyuk, A.N. 5807.
 Pereira, D.A., 2911.
 Pereira, L. 4439.
 Perelroyzen, M.P. 5902.
 Peresleni, E.M. 46.
 Peresleni, T.Y. 5724.
 Peretyatko, T.I. 839.
 Perevezentseva, O.S. 1106.
 Perez-Bercoff, R. 4831.
 Perez-Gosalbez, M. 4799.
 Periasamy, M. 2873.
 Perk, K. 5653.
 Perlman, D. 1034, 3126.
 Perlman, P.S. 964.
 Perlman, S. 4258.
 Perlman, S.M. 235.
 Perlo, C. 770.
 Permogorov, B.I. 3524.
 Permogorov, V.I. 150, 930, 2421, 3871, 4434, 5897, 5901.
 Permutt, M.A. 2251.
 Pero, J. 3622.
 Peronneau, H. 1518, 3352.
 Perram, J.W. 5084.
 Perraud, M. 4047.
 Perrella, F.W. 6251.
 Perricaudet, M. 6115.
 Perrin, D.D. 6187.
 Perrin, F. 4539, 4600.
 Perrot, M. 1362, 3391.
 Perry, R.P. 1929, 2272, 3429, 3822, 4644.
 Perry, W.M. 5326.
 Persico-DiLauro, M. 2887.
 Persico, M. 190.
 Person, A. 1347.
 Person, S. 4487.
 Persson, L. 536.
 Persson, T. 3821.
 Perucho, M. 1796.
 Perzynski, S. 209.
 Pesce, A. 6163.
 Peshin, N.N. 1909.
 Pession-Brizzi, A. 4055, 4064.
 Pestka, S. 863, 1475, 3108, 5660.
 Petering, D.H. 2408.
 Peterlin, B.M. 3182, 5020.
 Peters, C. 2122.
 Peters, F. 776.
 Peters, R.F. 4509.
 Petersen, G.B. 5874.
 Petersen, N.S. 4908.
 Peterson, A.R. 1050.
 Petes, T.D. 1077, 3448, 3546.
 Peticolas, W.L. 4173.
 Petinga, R.A. 1051.
 Petkov, I. 5146.
 Petrakov, K.A. 4936.
 Petrelli, F. 1043.
 Pettriciani, J.C. 5086.
 Petrik, J. 3948.
 Petrocheilou, V. 5176.
 Petrov, A.I. 103.
 Petrov, K. Ya. 5145.
 Petrov, N.A. 421, 3529.
 Petrov, O.E. 1566.
 Petrov, P.T. 217.
 Petrov, S.I. 2042.
 Petrovsky, G.V. 5002.
 Petrussek, R. 5249.
 Petryna, M.M. 1440.
 Pettazzoni, P. 212.
 Pettersson, R.F. 5753.
 Pettersson, U. 800, 2617, 2643, 4283, 6115.
 Pettijohn, D. 5939.
 Pettijohn, D.E. 261.
 Pettitt, S.E. 3408, 3409.
 Petzold, S.J. 469.
 Peumans, W. 1964.
 Peumans, W.J. 5788.
 Pevzner, L.Z. 327, 2653.
 Pezzuto, J.M. 1977, 2691.
 Pezzutti, M.R. 6037.
 Pfeffer, S.R. 1700.
 Pfeifferkorn, E.R. 73.
 Pfeifferkorn, L.C. 73.
 Pfeiffermann, R. 1624.
 Pfeifer, D. 3519.
 Pfeiffer, P. 5700.
 Pfister, H. 5929.
 Pfleger, N. 3506.
 Pfeiderer, W. 3705, 3708, 5408.
 Pfluger, K.-H. 687.
 Philippe, M. 1726.
 Philipps, G.R. 3608, 5592.
 Philipps, E.J. 2393.
 Philipson, L. 2303, 2617, 2643, 5893, 6115.
 Phillips, C.A. 3584.
 Phillips, D.R. 381, 4182, 4382.
 Phillips, J.A., III 881.
 Phillips, R.A. 5865.
 Piantanelli, L. 2775.
 Piasecka-Seraphin, M. 2257.
 Piatusky, J. 1081.
 Piazzolla, P. 2621, 5698.
 Picard-Bennoun, M. 4244.
 Picard, F. 4047.
 Picca, M. 1599.
 Pichard, E. 6050.
 Pichko, N.P. 1866.
 Pickart, L. 495.
 Picot, R. 4379.
 Pictet, R.L. 1461.
 Piechowska, M. 632, 1542, 1803, 2054.
 Piekarczyk, A. 1669.
 Pieniazek, D. 2054.
 Pierce, D.A. 2494.
 Pierre, A. 3377.
 Pietrzykowska, I. 1273, 5389.
 Pietsch, I. 4777.
 Piette, J. 917, 3132, 4957.
 Piette, L.H. 2331.
 Pignatti, P.F. 5347.
 Pihl, A. 228, 2273.
 Pijnacker, L.P. 2768.
 Piker, E.G. 6207.
 Piko, L. 4464.
 Pilch, Y.H. 3104, 3640, 3641, 5785.
 Pileri, A. 3476.
 Pillai, C.K.S. 1513, 4389.
 Pillarisetty, R.J. 3283, 3285.
 Pillay, D.T.N. 2582.
 Pilley, B. 2257.
 Pilly, D. 5220.
 Pinck, M. 5559.
 Pingoud, A. 776, 5646.
 Pinkston, M.F. 4103.
 Pinna, J.L. 1239.
 Pinon, H. 2732.
 Pinto, R.I. 1602.
 Pintor-Toro, J.A. 2223.
 Pinus, E.A. 1372.
 Pioletti, P. 589.
 Piotrowska, H. 49, 640.
 Pirrotta, V. 3086.
 Pirtle, I.L. 5707.
 Pirtle, R.M. 5707.
 Pisani, M. 121.
 Pisarev, M.A. 4514.
 Pisketsky, D.S. 5964.
 Pitha, J. 2826, 4184, 5092.
 Pitha, P.M. 4184, 5092.
 Pitman, I.H. 5423.
 Pitman, S.W. 2541.
 Pitot, H.C. 6044, 6133.
 Pitra, C. 1605.
 Pitt, D. 2805.
 Pitz, E.P. 2438.
 Pivovarova, A.I. 502.
 Piwnicka, M. 1542.
 Pizer, L.I. 5740.
 Pla, D. 5681.
 Plach, H. 674, 5463.
 Plagens, U. 1712.
 Planta, R.J. 263, 955, 1078, 1418, 3017, 3774, 4294.
 Platonov, A.L. 3609.
 Plauman, D.T. 6005.
 Pledger, W.J. 4519.
 Pleissner, K.-P. 5621.
 Plekhanova, L.S. 5774.
 Plesner, P. 2225, 3022.
 Plenev, A.G., 5836.
 Plevani, P. 6177.
 Plijsnin, A.Z. 2415.
 Ploscowe, V. 1660.
 Plotkin, S.A. 4442, 6007.
 Plotnikova, T.G., 3524.
 Ploumhans, M.-T. 264, 2264.
 Plucienczak, A. 4387.
 Pluijms, W. 764, 3396.
 Plumbbridge, T.W. 916.
 Plunkett, W. 2861, 5487.
 Plyashkevich, Yu.G. 2923.
 Poccia, D. 6249.
 Pochon, F. 4227, 4228.
 Poddar, R.K. 385.
 Podder, S.K. 89.
 Podgorodnichenko, V.K. 2865.
 Podhajka, A.J. 6297.
 Podjarny, A.D. 168.
 Podoltsseva, E.I. 5817.
 Podskalny, J.M. 1580.
 Podszun, W. 1261.
 Pogo, A.D. 4332.
 Pogo, A.O. 3423, 3649.
 Pogolotti, A.F., Jr. 678.
 Pogrebnyak, V.G. 5879.
 Pohjanpelto, P. 503, 4517.
 Pohlit, W. 3953.
 Pohorille, A. 1855.
 Poirier, M.C. 908, 1023.
 Pokorny, V. 4502.
 Polak, A. 479, 3473.
 Poland, R.E. 1004.
 Polaskova, A. 4175.
 Poletayev, A.I. 3500, 3682, 3878, 3879, 5877.
 Polikarpov, N.A. 3099.
 Polin, A.N. 4692, 6164.
 Polishchuk, A.S. 844, 1413.
 Polisky, B. 3980.
 Polito, L.C. 4947.
 Politoff, A.L. 5761.
 Polke, C. 2345.
 Pollack, R.L. 2761.
 Pollard, E.C. 404, 407, 4487.
 Pollard, J.W. 3385.
 Pollard, R.B. 4144.
 Pollow, K. 4621, 6256.
 Polsky, F. 1065, 5829.
 Polsky, F.I. 5966.
 Poltev, V.I. 1865, 2740, 3866, 3936, 5409.
 Polyakov, V.Y. 2014.
 Polyakov, O.L. 1499, 4563.
 Polyansky, N.B., 3977.
 Pomerantseva, M.D. 3978.
 Pomes, L. 1064.
 Pompei, R. 2157, 2158.
 Pon, C.L. 1912.
 Poncy, C. 5067.
 Ponder, B.A.J. 2120.
 Ponds, E. 2405.
 Pongs, O. 3445.
 Ponnampuram, C. 5593.
 Ponnuswamy, P.K. 2967.
 Ponomareva, T.I. 6079.
 Ponta, H. 3107.
 Ponticello, G.S. 5296.
 Pontikis, R. 5462.
 Pool, T.B. 6271.
 Poon, N.H. 4054, 6277.
 Pope, W.T. 3759.
 Popenko, V.F. 3514.
 Popenko, V.I. 4630.
 Poplauchina, O.G. 2370.
 Popov, L.S. 4384.
 Popovkina, S.V. 3780.
 Popskova, E. 2174.
 Poretta, A. 4459.
 Porschen, W. 494.
 Porschke, D. 4180.
 Porter, A. 801, 3433.
 Porter, A.G. 5678.
 Porter, R.D. 2412.
 Portman, E. 1510.
 Portman, R. 5004.
 Portmann, R. 5368.
 Portnyagina, V.A. 1820.
 Portoles, A. 1808, 2661, 3983.
 Portugal, F.H. 4096.
 Portugalov, S.N. 3293.
 Poryadkova, N.A. 5345.

- Poso, H. 1042.
- Pospelov, V.A. 2900, 4074, 4083.
- Possingham, J.V. 3846.
- Post, L. 2001, 2418.
- Post, M.L. 109.
- Postel, E. 5354.
- Posthumus, M.A. 5551.
- Potapenko, N.A. 3262.
- Potapov, V.A. 3629.
- Pottathil, R. 871.
- Potter, H. 516.
- Potuzak, H. 4106.
- Poulsen, L.L. 532.
- Poulter, C.D. 5459.
- Povereni, A.M. 2193.
- Poverenny, A.M., 4129.
- Poverenny, A.M. 2865.
- Povirk, L.F. 384, 470.
- Powanda, M.C. 1870.
- Powell, B.M. 1263.
- Powell, C.A. 4165.
- Powell, K.L. 1130, 2463, 2835.
- Powers, E.L. 5872.
- Pozdnyakov, P.I. 1301.
- Pozdnyakov, V.A. 3414, 3416.
- Pozmogova, I.N. 4931.
- Prabhavathi, P. 1092.
- Pradet, A. 505.
- Prager, E.M. 5211.
- Pragnell, I.B. 5674.
- Prakash, L. 3464.
- Prakash, L. 3206.
- Prakash, V. 5618.
- Prangishvili, D.A. 6165.
- Prasad, I. 519, 3855.
- Prasad, M.R.N. 3080, 3089.
- Prasad, M.S.K. 3834.
- Prasad, R. 5604.
- Prasada Rao, Y.S. 184.
- Prasanna, H.R. 4571.
- Pratesi, G., 5851.
- Prather, N.E. 5576.
- Pratt, C.W. 1357.
- Prehn, S. 4917.
- Preikshaite, N.K. 4377.
- Preisig, E. 4831.
- Prell, A. 1644.
- Premecz, G. 1677.
- Prensky, W. 1787, 5714, 6294.
- Preobrazhenskaya, E.S. 4395.
- Preobrazhenskaya, M.N. 53, 672, 5448.
- Prescott, B., 4287.
- Prescott, D.M. 3921, 6070.
- Prestayko, A.W. 4953.
- Preun, A. 304.
- Preussel, B. 5536.
- Prevatt, W. 4944.
- Price, A.R. 4043, 5258.
- Price, J.A. 4226.
- Price, L.A. 2452.
- Price, S.S. 960.
- Prichard, P.M. 4235.
- Priemer, M.M. 6110.
- Priess, H. 5009.
- Prignot, J. 5160.
- Prikota, T.I. 101.
- Primot, L. 2298.
- Prince, D.J. 1770.
- Princen, J.M.G. 1799.
- Prindull, B. 2780.
- Prindull, G. 2780, 3970.
- Pring, D.R. 3187, 5072.
- Priori, E.S. 6005.
- Pritchard, A.E. 2431.
- Pritchard, C. 5256.
- Pritchard, J. 5714.
- Pritchett, R. 5919.
- Pritulina, Yu.G. 3099, 4927.
- Privalov, P.L. 5552, 5567.
- Privalsky, M.L. 594.
- Prives, C. 189, 2575.
- Priyatkin, T.N. 1769.
- Proba, Z. 27.
- Probst, H. 4390.
- Procter-Appich, K. 2435.
- Proconier, J.D. 3249.
- Prodi, G. 2177, 4961.
- Prohaska, E. 4599.
- Prohofsky, E.W. 1523.
- Prokofiev, M.A. 1301, 2555, 3696.
- Prokofieva-Belgovskaya, A.A. 1783.
- Proksa, B. 864.
- Proskuryakov, S.Ya. 3259.
- Prosvirnin, V.V. 3819.
- Protasevich, I.I. 3609.
- Protasova, I.A. 4129.
- Proudford, N.J. 5715.
- Provenza, D.V. 6219.
- Prozorov, A.A. 3617.
- Prunell, A. 6280.
- Prusiner, P. 5467.
- Prusoff, W.H. 5456, 5477, 6212.
- Pruss, G.J. 5125.
- Prutovych, N.N. 3102.
- Przewlocki, G. 1068.
- Przybyla, A.E. 1461, 1962.
- Ptashekas, R.S. 4377.
- Ptashne, M. 4093.
- Ptitsyn, O.B. 4553.
- Pudney, M. 5690.
- Pugh, C.S.G. 6230.
- Puglisi, B. 3474.
- Puhler, A. 3154, 3155, 4428.
- Pujada, N.H. 4050.
- Pukkila, P.J. 19, 6153.
- Pulkarabek, P. 1973.
- Pullman, A. 648, 5421.
- Pullman, B. 38, 1330, 1842, 1855, 2148, 4685.
- Pulverer, G. 3172, 3544, 3545.
- Pumpen, P.P. 827.
- Purcell, R.H. 5290.
- Purchio, A.F. 231, 232, 1954.
- Purdum, I.F. 2735.
- Purdy, J.L. 2279.
- Purinof, D.J.M. 1130, 2463, 2835.
- Purnell, R.E. 4693.
- Purohit, S.C. 3953.
- Pushkarskaya, N.L. 6068.
- Pustoshilova, N.M. 698, 3619, 6174.
- Puvion-Dutilleul, F. 3557, 5328.
- Puvion, E. 1175, 1753, 1776, 5328.
- Puyda, N.G. 3898.
- Puzas, J.E. 5818.
- Pyatigorskaya, T.L. 2185.
- Pyhtila, M.J. 1189.
- Pyne, J.W. 5799.
- Quagliata, F. 3274.
- Quagliariello, C. 4737, 4738.
- Qualls, D.F. 4214.
- Quay, S.C. 5574.
- Que, B.G. 4024.
- Queen, C.L. 414.
- Quetier, F. 459.
- Quick, D.P. 1166, 1180.
- Quiggle, K. 131, 2161, 3738.
- Quigley, G.J. 2567.
- Quinlan, D.C. 114.
- Quinlan, T.J. 3042.
- Quintard, B. 5584.
- Raab-Traub, N. 5919.
- Raab, C. 1346.
- Rae, A.J. 5286.
- Raba, M. 4301, 5695.
- Rabbani, A. 3661, 6257.
- Rabbitts, T.H. 2365, 5165.
- Rabaczynski, A. 3902.
- Raberg, G. 4709.
- Rabin, B.R. 3783.
- Rabin, E.Z. 534.
- Rabinovich, P.M. 1991.
- Rabinovich, Ya.M. 1372.
- Rabinowitz, M. 2983.
- Rabotti, G.F. 5752.
- Rabtrani, A. 1192.
- Rabussay, D. 2823.
- Racine, F.M. 1136.
- Racker, E. 1738.
- Racz, K. 857.
- Rada, B. 5516.
- Radding, C.M. 2684, 2685, 2686.
- Rader, M. 4487.
- Radina, L.B. 5842, 6242.
- Radisson, J. 1921, 2252.
- Radman, M. 2755, 5433, 6018.
- Rafalski, A.J. 4204.
- Raff, R.A. 4365, 4602.
- Raganathan, R. 666.
- Ragot, M. 134, 135.
- Rahmatov, N.A. 398.
- Raikhlin, N.T. 2484.
- Raikov, I.B. 5131, 5390.
- Raim, T. 3873.
- Raina, J.L. 1655, 2796, 2797, 4524.
- Rainbow, A.J. 3958.
- Raineri, R. 1761.
- Raines, E. 4518.
- Rainey, P. 179.
- Rajalakshmi, M. 3080, 3089.
- Rajalakshmi, S. 2030, 5863.
- RajBhandary, U.L. 1405, 1877, 1878, 2566, 2612.
- Rajcani, J. 5511.
- Raju, K.S. 1923.
- Rakowski, I. 2841.
- Raksanyi, K. 3338.
- Rakusanova, T. 6019.
- Rall, S.C. 1186, 1553.
- Ralph, R.K. 1256.
- Ralston, G.B. 4554, 4555.
- Ralston, R. 2602, 5648.
- Ramabhadran, T.V., 4803.
- Ramagopal, S. 2213.
- Ramakrishnan, T. 3464, 5275.
- Ramaya, L.K. 3978.
- Rambour, S. 241.
- Ramig, R.F. 3537, 3538, 6114.
- Ramirez de Guglielmo, A.E. 3850.
- Ramirez, F. 697, 2245, 3184, 4200.
- Ramirez, J.L. 2364.
- Ramirez, O. 1628.
- Ramm, E.I. 4606.
- Rammung, K.P. 2301, 3105, 5785.
- Ramon, A.M. 4479.
- Ramponi, G. 2877.
- Ramsay Shaw, B. 2890.
- Ramsey, J.C. 207.
- Ramstein, J. 3129.
- Ranchalis, J. 2786.
- Randerath, E. 4203.
- Randerath, K. 540, 4203.
- Randhawa, A.S. 5493.
- Randles, J.W. 875.
- Randlett, D. 1772.
- Randlett, D.J. 4257.
- Rands, E. 3242.
- Rankin, J.C. 4511.
- Rannels, D.E. 5594.
- Ranu, R.S. 2602.
- Rao, B.D.N. 1859.
- Rao, G.R.K. 3167.
- Rao, P.M. 5863.
- Rapaport, E. 2947.
- Rapaport, F.T. 126, 2179, 2425.
- Rapoport, T.A. 4917.
- Rapp, F. 434, 435, 6013, 6020.
- Rapp, U.R. 3848, 4350.
- Rappay, G. 1009.
- Rash, K.F. 5547.
- Raska, K., Jr. 4746, 5257.
- Raskas, H.J. 3045, 3083.
- Raskova, J. 5257.
- Rasmussen, K.V. 2397.
- Raso, V. 3362.
- Rasser, Y. 5742.
- Rassi, G.A. 3633.
- Rasskazov, V.A. 3260.
- Rath, R. 5659.
- Rathgeber, G. 4153.
- Ratner, L. 2076, 6142.
- Ratovitski, E.A. 508, 1920, 3032, 3060, 4282, 5969.
- Ratric, H., III 1224.
- Ratti, G. 253.
- Rattle, H.W.E. 2124.
- Rattner, J.B. 5346.
- Rau, W. 1441.
- Raue, H.A. 955.
- Raukas, E. 3873.
- Ravetch, J.V. 431, 5944.
- Ravin, A.W. 1655, 2796, 2797, 4524.
- Rawlings, C.J. 6039.
- Rawls, W.E. 5675.
- Rawson, J.R.Y. 5956.
- Ray, D.A. 582.
- Ray, D.S. 933, 1223, 2904.
- Raymondjean, M. 3406.

- Rayner, B. 3347.
 Raynolds, P.W. 4122.
 Razel, A.J. 3753.
 Razjivin, A.P. 4125.
 Razumova, V.V. 2895, 4651.
 Reade, P.C. 5138.
 Reali, N. 2654.
 Rebutish, B.A. 952, 2421, 3524, 4434, 6106.
 Reboud, J.P. 2227.
 Recher, M. 2330.
 Rechess, S. 5977.
 Rechler, M.M. 1580.
 Record, M.T., Jr., 4568.
 Record, M.T., Jr. 1807, 2963.
 Reddi, K.K. 2079, 5208.
 Reddington, M.A. 5601.
 Reddy, B.S. 5533.
 Reddy, C.A. 954.
 Reddy, V. 1092.
 Reddy, V.B. 5026, 5027, 5029.
 Redfield, A.G. 1332.
 Redington, P. 69.
 Redmond, A.F. 5140.
 Redpath, J.L. 2757.
 Reeck, G.R. 3653, 4613.
 Reeder, R.H. 2731, 3201.
 Rees, H. 460, 5825.
 Rees, H.D. 5375.
 Reese, C.B. 1858, 3345.
 Reeve, A.E. 2274.
 Reeve, J.N. 5595, 5789.
 Reeves, R. 3652.
 Reeves, R.H. 3759.
 Reff, M.E. 808.
 Refsnes, K. 2580.
 Regnault, M. 4934.
 Reha-Krantz, L.J. 1266, 1717.
 Rehberg, H. 247.
 Reichard, P. 3937, 4107, 4593.
 Reichert, U. 37, 5432.
 Reichhart, F. 2891.
 Reichman, U. 1836.
 Reid, M., 750.
 Reid, B.R. 724.
 Reid, C. 6067.
 Reid, L. 4379.
 Reimarsson, P. 5344.
 Reimer, G. 1424, 2145, 2146.
 Reimer, S.C. 3527.
 Rein, R. 896.
 Reinbothe, H. 71.
 Reinecke, V. 1948.
 Reineri, K.-E. 4956.
 Reinert, J. 2253.
 Reinert, K.-E. 3875.
 Reinert, K.E. 1507, 3890.
 Reines, S.A. 1304.
 Reinganum, C. 4835.
 Reinhard, P. 6002.
 Reinhold, V.N. 4400.
 Reissig, M. 937.
 Rekunova, V.N. 5288.
 Rembur, J. 3944.
 Remington, J.A. 5991.
 Remsen, J. 2036.
 Remsen, J.F. 2324.
 Renart, J. 1701.
 Renaud, J.-F. 3100.
 Renaud, M. 740.
 Renis, H.E. 3350.
 Renk, C.M. 1464.
 Renkawitz-Pohl, R. 5334.
 Renkawitz, R. 5332, 5333.
 Reno, J.M. 5263.
 Resch, W. 2309.
 Reshetnik, O.A. 4002.
 Reshetnikov, Y.S. 5059.
 Resnick, M.A. 6026.
 Retel, J. 1078, 1123.
 Retuerma, M.L. 875.
 Retzel, S. 346.
 Reuben, J. 4727.
 Reusser, F. 5273.
 Revel, M. 189, 1315.
 Revesz, L. 1029.
 Revet, B. 625.
 Revzin, A. 627, 1804, 1805.
 Reynaud, J.A. 3123, 3893.
 Reynolds, F.H. 831.
 Reynolds, R. 1607.
 Reynolds, R.J. 4488.
 Rezapkin, G.V., 2121.
 Reznik, V.S. 2152, 3704.
 Reznikoff, W. 4992.
 Reznikoff, W.S. 1992.
 Reztsova, V.V. 1946, 4903.
 Rezvaya, M.N. 3115.
 Rhases, H.-J. 3732.
 Rho, H.M. 1578.
 Rhoads, R.E. 4367, 5662.
 Rhode, S.L., III 1573, 2060, 5920.
 Rhodes, D. 1766, 2565.
 Riand, J. 5415.
 Riazuddin, S. 3611, 3612, 3613, 6227.
 Riboldi, P.S. 589.
 Ricard, J. 1699.
 Ricciardi, R.P. 3852, 5691.
 Rice, L.S. 2457.
 Rice, N. 5819.
 Rice, N.R. 4929.
 Rich, A. 777, 2424, 2567, 2599, 5569.
 Richard, J.-M. 2860.
 Richards, B.M. 6281, 2616.
 Richards, J.T. 1299.
 Richards, K. 1406, 3810, 3811.
 Richards, O.C. 2773.
 Richardson, C.C. 1314, 5008, 5012, 5359.
 Richer, L.L. 3111.
 Richle, R. 3473.
 Richmond, M.H. 5889, 2341, 5176.
 Richmond, R.C. 1506, 4972.
 Richou, M. 4707.
 Richter, D. 1247, 2549, 3261, 3758, 5626.
 Richter, G. 784, 3828, 3926, 4344.
 Ricketts, T.R. 3941.
 Rickwood, D. 606.
 Ridell, M. 3323.
 Ridge, D. 3783.
 Riederer, H. 5425.
 Riesner, D. 3441, 3442, 4764.
 Riesz, P. 2925.
 Riewe, M. 3670.
 Rifkind, R. 333.
 Rifkind, R.A. 2245, 3933, 5840.
 Riftina, F. 5540.
 Rigden, P. 4373.
 Riggs, A.D. 1289.
 Riggs, M.G. 1047, 1762.
 Riggsby, W.S. 4739.
 Rigo, P. 649.
 Riklis, E. 5517.
 Rillema, J.A. 3025.
 Rillo, E.P. 875.
 Rimpau, J. 458, 4937.
 Rinehart, K.L., Jr. 4580, 5271, 5273, 5278, 6203.
 Ring, B. 3257.
 Ring, J. 3833, 5932.
 Ringsborg, U. 2763.
 Ringden, O. 5148.
 Ringer, D. 3403.
 Ringertz, N.R. 4378.
 Ringold, G.M. 1556, 5917, 5932, 6015.
 Riou, G. 1439, 3127.
 Rip, J. 6272.
 Ripoll, J.J.S. 4479.
 Rispler, J. 461.
 Ristow, H.J. 6073.
 Risenue, M.C. 3288.
 Ritchey, M.B. 3047, 4836.
 Ritchey, S.J. 3118.
 Ritter, P.O. 4766.
 Ritz, E. 6259.
 Riva, S. 1134.
 Rivel, T.G. 5811.
 Rivest, M.-J. 4518.
 Rivest, R. 5466.
 Rivolta, P. 5851.
 Rix-Montel, M.A. 5873.
 Rizzo, P.J. 2136.
 Rizzo, W.B. 1780.
 Robbe-Saul, S. 1885.
 Robberson, D.L., 2430.
 Robberson, D.L. 4951.
 Robbins, J. 2247.
 Robbins, J.H. 3959.
 Robbins, K.C. 3241.
 Robert-Gero, M. 2948, 3377, 4592, 4707.
 Robert, B. 2632.
 Roberts-Ems, J. 1289.
 Roberts, B.E. 1996.
 Roberts, J.F. 3447, 3815.
 Roberts, J.J. 1025, 1609, 5111, 5112, 6039.
 Roberts, J.L. 1474, 2306, 5459.
 Roberts, P. 39.
 Roberts, R.J. 248, 549, 1102, 1693, 3534, 4546, 4547, 4674.
 Roberts, S. 4793.
 Roberts, T.M. 355.
 Roberts, W.K. 194, 2147.
 Robertson, C.F. 3340.
 Robertson, H.D. 3050.
 Robertson, I.G.C. 957.
 Robertson, J.S. 4835.
 Robertson, M. 5063.
 Robertson, R.G. 3583.
 Robertson, W.R. 3011.
 Robillard, G.T. 724.
 Robin, J. 786.
 Robins, A.B. 5469.
 Robins, M.J. 3347.
 Robins, R.K. 667, 2153, 4133, 5407.
 Robinson, A.J. 1000.
 Robinson, J.C. 118.
 Robinson, J. 999.
 Robinson, L. 5616.
 Robinson, L.H. 2342, 2343.
 Robinson, S. 1022.
 Robinson, S.M.L. 201, 1359.
 Robinson, W.F. 1703.
 Robinson, W.S. 4144, 5033.
 Robreau, G. 3220.
 Robson, K.J.H. 1403.
 Robson, L. 3289.
 Rocha, H. 416.
 Rochema, J.-D. 2333.
 Roche, J. 3019.
 Roche, J.K. 3974.
 Rockstroh, P.A. 6224.
 Rodan, G.A. 4522.
 Rodaway, S.J. 5440.
 Rodbell, M. 142.
 Rode, W. 1248.
 Rodgers, W.H. 4842.
 Rodighiero, G. 2328.
 Rodkey, J. 1476.
 Rodley, G.A., 1232.
 Rodrigue, A. 786.
 Rodriguez, R.L. 2704, 6155.
 Roe, B.A. 122, 167, 171, 4751.
 Roede, M.J. 6259.
 Roeder, G.S. 5904.
 Roeder, R.G. 1708, 1709, 4572.
 Roger, V. 5820.
 Rogers, S.G., 5711.
 Rogers, J.C. 4520.
 Rogers, K.J. 2690.
 Rogers, K.S. 2327.
 Rogiers, R. 3535, 3915, 5023.
 Rogowski, W. 2734.
 Rogozhin, S.V. 2801, 4158.
 Rogozkin, V.A. 5603.
 Rohde, W. 803, 1155, 2853, 4905.
 Rohrmann, G.F. 1536, 2348.
 Roizes, G. 1696.
 Roizman, B. 3830, 4439, 5015.
 Rojas, M. 721.
 Rojo, J.M. 2661.
 Rokhlin, O.V. 5588.
 Rokutanda, M. 4581.
 Rolton, H.A. 802.
 Romaine, C.P. 6183.
 Romanenko, E.A. 1821.
 Romano, C. 121.
 Romanov, Y.A. 1032.
 Romaschenko, A.G. 3629.
 Rombauts, W. 198, 1463, 3004, 5795.
 Romers, C. 111.
 Rommelaere, J. 399, 2619, 4285.
 Rommerts, F.F.G. 282.
 Ron, A. 278, 3970.
 Ronald, W.P. 626, 868.
 Ronda, C. 3983.
 Ronney, R.W. 4824.
 Ronne, M. 5438.
 Ronto, G. 1590.
 Roop, B. 2106.

- Roop, D.R. 4739.
 Roper, M.D. 2238.
 Roques, B.P. 3526.
 Rosa, M.D. 180.
 Rosbash, M. 4258.
 Rosbash, M.M. 235.
 Roschenthaler, R. 741, 4219.
 Roscher, U. 351.
 Roscoe, D.H. 1249.
 Rose, J.A. 1944, 2445.
 Rose, J.K. 249, 4217, 5685.
 Rose, K.M. 4722, 5384.
 Rose, L.M. 5439.
 Rose, M.S. 1623.
 Rosemeyer, H. 4703.
 Rosen, F.S. 3587.
 Rosen, H. 3026.
 Rosen, J.M. 1389, 2648.
 Rosenberg, H. 1527, 5066.
 Rosenberg, M. 4528, 5066, 5683, 5744.
 Rosenbloom, J. 2569.
 Rosenbusch, J.P. 223.
 Rosenfeld, M.G. 3470.
 Rosenkranz, H.S. 915, 2311.
 Rosenthal, A.L. 525.
 Rosenthal, G. 3096.
 Rosenthal, H.A. 2410.
 Rosenthal, I. 4118.
 Rosenthal, S. 3057.
 Rosenthal, S.L. 2544.
 Rosenovold, E.C. 1993, 1995.
 Rosenzweig, M.R. 2268.
 Rosgony, I.I. 3837.
 Roshke, V.V., 4795.
 Rosie, D.M. 1834.
 Roskam, W. 4539.
 Rosner, A. 955.
 Rosnitschek, I. 4248.
 Ross, A. 2623, 3770.
 Ross, C.A. 3267, 3268.
 Ross, J. 3033, 3041.
 Ross, P. 2792, 2793.
 Ross, S.L. 5849.
 Ross, W. 928.
 Ross, W.E. 4965.
 Rosselet, A. 5102.
 Rosset, R. 2583.
 Rossi, G.B., 6273.
 Rossi, C.A. 3634.
 Rossi, G.B. 862.
 Rossi, M. 1824, 5420.
 Rossi, R. 4386, 5839.
 Rossier, B.C. 4872.
 Rossier, M. 4872.
 Rossignol, J.-M. 6200.
 Rossini, M. 3455.
 Rössler, H. 1732.
 Rössler, K. 1265.
 Rossman, T.G. 2385.
 Rosso, P. 530, 4110.
 Rossoni, C. 3296.
 Rost, J.A. 6154.
 Rosteck, P., Jr. 2270.
 Roszkowski-Sliz, W. 2403, 2404.
 Rosztoczy, I. 4735.
 Roth, A.C. 423.
 Roth, D. 3146, 3931.
 Roth, G.P. 5426.
 Roth, R. 1213.
 Rothbarth, K. 2754.
 Rothberg, S. 4512, 5140.
 Rothe, C.T. 1086.
 Rothenberg, E. 3801.
 Rothman-Denes, L.B. 6169.
 Rothman, R.H. 1016, 2027.
 Rothstein, D.M. 2091.
 Rothstein, S. 1992.
 Roti Roti, J.L. 2324, 5343.
 Rott, N.N., 4660.
 Rott, R. 5364.
 Rottinger, E.M. 304.
 Rottman, A., 1979.
 Rottman, F. 3794.
 Roubinian, J.R. 3285.
 Roufa, D.J. 1892.
 Rougeon, F. 2333.
 Rouget, P. 2844.
 Roulland-Dussoix, D. 2242.
 Rouse, H. 1633, 1634.
 Rousset, J.-P. 6276.
 Rouviere-Yaniv, J. 4654.
 Rovera, G. 1083.
 Rowe, C.H., 1232.
 Rowe, D.W. 3789.
 Rowe, L.B. 4537.
 Rowe, W.P. 1481, 3169.
 Rowen, L. 5703, 6225, 6226.
 Rowlands, D.J. 4280.
 Rownd, R.H. 3195, 3196, 3324, 4983, 4988.
 Roy-Burman, P. 4824.
 Roy-Burman, S. 4691.
 Roy, K.L. 797, 1411, 2628, 4843.
 Roy, P. 840, 4574.
 Roy, R. 225, 5648.
 Roychoudhury, R. 547.
 Rozek, C.E. 5708.
 Rozenberg, O.A. 2402.
 Roziar, C. 3061.
 Rozycycki, H. 914.
 Rubenstein, I. 3062.
 Rubenstein, J.L.R. 965.
 Rubets', I.V. 6071.
 Rubin, B.Y. 981.
 Rubin, H. 491.
 Rubin, J. 717.
 Rubin, J.R. 2565.
 Rubin, M. 5691.
 Rubin, R.A. 1742, 2088.
 Ruch, F. 3495.
 Rudakova, I.P. 2168.
 Ruddle, F.H. 2070.
 Ruddon, R.W. 3298.
 Rudenko, I.Ya. 2402.
 Ruderman, J.V. 337.
 Rudin, Y. 5052.
 Rudland, P.S. 1031.
 Rudolph, C. 2389.
 Rudramuniyappa, C.K. 1390, 1391.
 Rue, P. 2287.
 Ruegg, K.J. 4277.
 Ruettinger, T. 2473.
 Ruf, C. 3601.
 Ruiz-Arguelles, A. 2481.
 Rumyantsev, P.P. 3221, 4477.
 Rundell, K. 2419.
 Runnels, J. 5804.
 Runner, M.N. 6069.
 Ruocco, V. 121.
 Rupert, C.S. 4981, 6315.
 Rupniak, H.T. 6073.
 Rupp, W.D. 4862.
 Rush, M.G. 841.
 Rushton, B., 1766.
 Russel, D.J. 6155.
 Russell, D.H. 3265.
 Russev, G. 5315, 5335.
 Rust, J.H. 4713.
 Rustgi, S. 2925.
 Rutberg, L. 4473.
 Ruterjans, H. 4000.
 Ruth, J.L. 3721.
 Ruthmann, A. 1484.
 Rutigliano, B. 5380.
 Rutter, W.J. 1461, 1962, 2359, 2728, 2729.
 Ryabchenko, N.I. 3259.
 Ryabova, E.Z. 512.
 Ryan, F.J. 790.
 Ryan, T. 4652.
 Ryan, T.J. 3139.
 Rybakov, V.P. 1032.
 Ryder, A. 5443.
 Ryder, O.A. 4929.
 Rydlander, L. 3030, 5783.
 Ryffel, G.U. 4846.
 Rymo, L. 4446.
 Ryngaert-Adriaenssens, A. 6087.
 Rynnel-Dagoo, B. 5148.
 Ryschkevitch, W. 298.
 Ryskov, A.P. 2314, 3058, 3451, 3452.
 Rye, V.C. 704.
 Ryu, E.K. 3738.
 Ryzewski, J. 2403, 2404.
 Rzeszowska Wolny, J. 4060.
 Saarma, M. 2595, 4796.
 Saarma, M.Yu. 5713.
 Sabatini, D.D. 320, 1364, 3015.
 Sabelnikov, A.G. 5157.
 Sabo, D. 3432.
 Sabourin, C.L.K. 5263.
 Sacchi, A. 1366.
 Saccone, C. 565, 2636, 4737, 4738, 5668, 5793.
 Sachdev, P. 1453.
 Sachs, D.H. 5964.
 Sachseneimer, W. 571, 572.
 Sadaie, Y. 6023.
 Sadana, K.L. 3739.
 Sadler, J.R. 6119.
 Sadowski, P.D. 5904.
 Sadzinska, L. 392.
 Saelder, H. 3160, 3325.
 Saenger, W. 5471, 5533.
 Saenko, A.S. 4414.
 Saetre, A. 1750.
 Safaryan, V.S. 4563.
 Safer, B. 2229.
 Saffhill, R. 2839, 4169.
 Safonova, T.S. 46.
 Sagar Sethi, V. 6210.
 Sage, E. 711.
 Sagher, D. 793.
 Saha, B.K. 3253.
 Sahai Srivastava, B.I. 4023.
 Sahdo-Rengell, F. 5498.
 Saikawa, N. 706.
 Saito, H. 706, 5945, 6000, 6024, 6124.
 Saito, M. 3135, 4394.
 Saitoh, T. 1116.
 Saka, T. 3636.
 Sakaguchi, B. 4897.
 Sakaguchi, G. 3483.
 Sakaguchi, H. 52, 642.
 Sakaguchi, K. 1318, 2416, 4041, 4189, 4453.
 Sakaguchi, T. 52, 635, 1258, 3707.
 Sakai, A. 1624.
 Sakai, F. 2608.
 Sakai, H. 3567.
 Sakai, K. 2388.
 Sakai, S. 4327, 5746.
 Sakai, T.T. 729.
 Sakakibara, S. 3290.
 Sakamoto, M. 4977.
 Sakano, H. 5227.
 Ryan, K. 2454.
 Sakanyan, V.A. 1990.
 Sakharovsky, V.G. 1686, 6143.
 Sakiyama, F. 4557.
 Sakiyama, S. 5748.
 Sakore, T.D. 5882.
 Saks, V.A. 2111.
 Sakura, H. 706.
 Sakurada, T. 4036.
 Sala-Trepat, J.M. 2267.
 Salamone, M.F. 2045.
 Salas, C.E. 637.
 Salas, J. 1796, 5356.
 Salas, M. 3305.
 Salas, M.L. 5356.
 Salazar, L.F. 3647.
 Salditt-Georgieff, M. 2351, 5716.
 Saleem, M. 5636.
 Salerno, C. 573.
 Salerno, T. 1470.
 Salet, C. 843, 4117.
 Salganik, R.I., 3629.
 Salganik, R.N. 5666.
 Salikhov, I.S. 2152.
 Salim, M. 3059.
 Salisbury, J.G. 2839.
 Salles, J.M. 1936.
 Salmon, J. 333, 5840.
 Salmona, M. 2446.
 Salnikow, V.V. 824.
 Salomatina, V.V. 1849.
 Salomon, J.C. 5137.
 Salser, W. 971.
 Salvo, R.A. 2098.
 Salyanov, V.I. 5879.
 Salzberg, S. 3477, 4867.
 Salzman, L.A. 2868, 5981.
 Samarina, O.P. 3819.
 Sambamurti, B. 353.
 Sammons, M.L. 1870.
 Samoilenko, I.I. 4504, 6122.
 Samojlik, O.I. 4004.
 Samoylenko, I.I. 2067.
 Sampson, J. 4718.
 Samson, L. 2026.
 Samuel, C.E. 1422, 2211.
 Samuels, H.H. 2649.
 Samuels, L.T. 2773.
 Samukov, V.V. 3733, 5541.
 Samy, T.S.A. 5852.

- San, R.H.C. 483.
 San'ko, D.F. 3659.
 San'ko, D.R. 368.
 Sancar, A. 4981.
 Sanceau, J. 1882, 5572.
 Sanchez de Rivas, C. 877.
 Sandakhchiev, L.S. 4774.
 Sandberg, A.A. 4648.
 Sander, G. 2224, 5645.
 Sanderlin, R.S. 4833.
 Sanders, C. 1193.
 Sanders, J.P.M. 2004, 2005, 2006.
 Sanders, M. 3052.
 Sanders, S.K. 2675.
 Sandman, R. 1150.
 Sando, N. 5075.
 Sandritter, W. 891.
 Sandulescu, T. 1608.
 Sandvig, K. 2580.
 Saneyoshi, M. 100, 6201.
 Sanger, F. 1519, 4418.
 Sanger, H.L. 4289, 5695.
 Sano, Y. 3600.
 Santella, R.M. 378, 2133, 2311, 4103.
 Santer, M. 4296.
 Santi, D.V. 678, 1851.
 Santi, L. 2761, 5862.
 Santoni, C. 2441.
 Sanui, H. 491.
 Sanwal, G.G. 3497, 1089.
 Sanyal, A.B. 3215.
 Sapora, O. 3574.
 Sarabhai, A. 2795.
 Sarachu, A.N. 6048.
 Sarafyan, L.P. 3592.
 Saran, A. 1842, 2532.
 Saraste, J. 834.
 Sargent, M.G. 851.
 Sarhan, F. 3251.
 Sari, J.C. 134, 135.
 Sarimo, S.S. 3568.
 Sarin, P.S. 1731.
 Sarkander, H.-I. 3454, 4312, 5765.
 Sarkar, N.H. 2842.
 Sarma, D.S.R. 750, 2030, 2762, 5622, 5863.
 Sarma, M.H. 5779.
 Sarma, R.H. 1308, 1396, 2552, 2613, 4298.
 Sarre, T. 2581.
 Sartorelli, A.C. 1956, 5291.
 Saryan, L.A. 2408.
 Sas, W. 49, 640.
 Sasada, Y. 634, 1817.
 Sasaki, I. 4704.
 Sasaki, K. 1033, 4057.
 Sasaki, M.S. 2034, 2137.
 Sasaki, T. 590.
 Sasaki, Y. 2833, 2834.
 Sasisekharan, V. 1524, 2560, 3149, 3740.
 Sasson, S. 673, 4118.
 Sasvari-Szekely, M. 4716.
 Satava, J. 1692.
 Sathe, G.M. 145, 1276.
 Sato, K. 496, 5583.
 Sato, N. 5142.
 Sato, R.I. 3888.
 Sato, S. 3031, 3662, 3910, 5428.
 Satta, G. 3595.
 Sattler, G.L. 6044.
 Sattsang, P.D. 2523.
 Sau, M. 5441.
 Saucier, J.-M. 1498.
 Sauer, G. 2413.
 Sauer, H.W. 2097, 4013.
 Sauer, R.T. 3679.
 Sauerbier, W. 4880.
 Sauermann, G. 4311.
 Saunders, G.F. 238, 615, 1350.
 Sauri, C.J. 5868.
 Sausville, E.A. 5845, 5846.
 Sauter, J.J. 1968.
 Sautiere, P. 1185, 4654, 6246.
 Savage, B. 1154.
 Savage, M.J. 2267.
 Savaiano, D.A. 3709.
 Savakis, L. 5363.
 Saveljev, V.I. 2421.
 Savic, A. 6249.
 Savino, G. 5154.
 Savochkina, L.P. 1111.
 Savoie, R. 4173.
 Sawada, F. 1095, 6146.
 Sawada, S. 3283, 3285.
 Sawada, T. 2767.
 Sawai, Y. 545, 4001, 5226.
 Sawasaki, Y. 4001.
 Saweckja, J. 683, 1637, 3865.
 Sawicki, D. 5739.
 Sawicki, D.L. 3076.
 Sawicki, S.G. 2351.
 Sawin, V. 780.
 Saxena, D.M. 5986.
 Saxena, R. 5986.
 Saxena, R.K. 2046.
 Saxena, V.B. 890.
 Saz, A.K. 3245.
 Sazonova, E.A. 4778.
 Sbano, E. 5391.
 Schaife, J.G. 6162.
 Scallion, S. 3196.
 Scanlon, S. 3976.
 Scapin, S. 216.
 Schaal, K. 3545.
 Schack, L. 4043.
 Schacter, L.P. 4516.
 Schaefer, W. 2501.
 Schaeffer, H.J. 1829.
 Schafer, D. 199.
 Schafer, H.-J. 4153.
 Schafer, K.P. 2296, 3457.
 Schafer, M.P. 6209.
 Schaffer, P.A. 443, 4439.
 Schaffer, S.W. 2809, 5209.
 Schaffner, W. 1535, 4277, 5368.
 Schaller, H. 2345, 2615, 3240.
 Schaool, D. 5067.
 Schapira, G. 4603.
 Schardein, J.L. 5481.
 Schattenkerk, C. 2803, 2437, 6134.
 Schatz, G. 5052.
 Schauer Weissfeld, A. 1633, 1634.
 Schauer, R.C. 1426.
 Schechter, A.N. 3284.
 Schechter, I. 4675.
 Scheer, U. 4065, 6262.
 Scheil, H.-G. 2774.
 Schein, P. 162.
 Schein, P.S. 4266.
 Scheinker, V.S. 5588.
 Scheit, K.H. 4334, 4361.
 Schell, M.P. 2361.
 Schell, P.L. 6316.
 Scheller, K. 234, 4485.
 Schellman, J.A. 1521, 4436.
 Schempp, W. 5993.
 Schendel, P. 2026.
 Scheolkina, A.K. 3741.
 Scher, C.D. 4519.
 Scher, I. 2863.
 Scherberg, N. 2287.
 Scherer, C.G. 1036.
 Scherer, E. 1976.
 Scherer, G. 4430.
 Schernau, U. 169.
 Scherneck, S. 4075.
 Scherrer, K. 4264.
 Scherzinger, E. 5914.
 Scheurich, P. 4153.
 Scheurlen, M. 596.
 Schiaffonati, L. 3869.
 Schibler, U. 1929, 2272, 3822.
 Schick, J. 3539, 5928.
 Schiebel, W. 2845.
 Schiewe, M.H. 1063.
 Schiffmann, D. 755, 768, 3397.
 Schilcher, R.B. 3598.
 Schiller, M. 1440.
 Schimizu, A. 41.
 Schimke, R.T. 274.
 Schimke, R.T. 5197.
 Schimmel, P.R. 170.
 Schincariol, A.L. 6272.
 Schirmer, R.H. 572.
 Schito, G.C. 6163.
 Schlaeger, E.-J. 4029, 5325.
 Schlatter, C. 1502, 4960, 4976.
 Schleich, H.-G. 4199.
 Schlessinger, D. 2292.
 Schlessinger, D. 2281, 2455, 3054, 3253.
 Schlosser, J.P. 6087.
 Schmale, H. 2549, 5626.
 Schmalstieg, F.C. 584.
 Schmclck, P.-H. 1716.
 Schmickel, R.D. 4463.
 Schmid-Hannak, I. 591.
 Schmid, B. 6030.
 Schmid, K. 2108.
 Schmid, M. 1082.
 Schmidlin, S. 2134.
 Schmidt, A. 4724.
 Schmidt, C.G. 3598, 5392.
 Schmidt, F. 3519, 4745.
 Schmidt, F.J. 4814.
 Schmidt, G. 3824.
 Schmidt, H.J. 3562.
 Schmidt, J. 4583.
 Schmidt, M. 5220.
 Schmidt, O. 4899.
 Schmidt, P.G. 1841.
 Schmidt, R. 5432.
 Schmidt, T. 3928.
 Schmitt, G. 304, 1948.
 Schmitz, K.S. 621, 2890.
 Schmock, J. 1965.
 Schneck, P.K. 4472.
 Schnedl, W. 351.
 Schneider, C. 4176, 4177.
 Schneider, E. 4368.
 Schneider, E.L. 808.
 Schneider, H.G. 2534.
 Schneider, J. 186, 3618.
 Schneider, L.G. 1173.
 Schneider, W.C. 888, 5794.
 Schneider, Z. 186.
 Schneller, J.-M. 1879.
 Schnier, J. 1361.
 Schnoes, H.K. 68, 659.
 Schochetman, G. 5065.
 Schoene, W.C. 2541.
 Schoenmakers, J.G.G. 1792, 4850.
 Schoepf, E. 2754.
 Schöffl, F. 3155.
 Schofield, P. 187, 188.
 Scholes, G. 4683.
 Scholla, C.A. 4195.
 Scholtissek, C. 803, 4905.
 Scholz, D. 4062.
 Schoneich, J. 3505.
 Schott, H. 83, 4157.
 Schrader, W.P. 2856, 6218.
 Schram, A. 1443.
 Schray, K.J. 2809.
 Schreiber, C. 2951.
 Schreiber, H. 3590.
 Schreiber, R. 3362.
 Schreier, A.A. 543.
 Schreier, M.H. 2600, 2601.
 Schreier, P.H. 927.
 Schreir, P.H. 3521.
 Schremi, W. 5510.
 Schrier, B.K. 373, 2268, 3475.
 Schroder, C.H. 6011.
 Schroder, E. 1597.
 Schroder, H.C. 2112, 4925.
 Schroder, J. 1965, 3113.
 Schroeder, D. 2371.
 Schrotter, W. 2780.
 Schrott, E.L. 1441.
 Schubert, L. 1554.
 Schubert, M. 5683.
 Schuerch, A.R. 3468, 4579.
 Schulein, M. 4090.
 Schuller, R. 4679.
 Schulman, H.M. 5822.
 Schulman, L.H. 1344.
 Schulman, S.G. 2683.
 Schulte-Frohlinde, D. 2323, 2693.
 Schultz, G.A. 3812.
 Schultz, L.D. 6182.
 Schulz, G.E. 571, 572, 3418.
 Schulz, R.J. 3576.
 Schulz, W. 1512.
 Schumacher, R.I. 1601.
 Schumaker, V.N. 3299.
 Schumm, D.E. 5784.
 Schumperli, D. 924, 1535.
 Schuster, F.L. 130.
 Schuster, H. 3605.
 Schutz, G. 1394, 3071.
 Schwartzman, J.B. 507.
 Schwalm, F.E. 4715.
 Schwartz, A.G. 1974.
 Schwartz, A.M. 3654.
 Schwartz, H. 270.
 Schwartz, H.L. 3838.
 Schwartz, I. 5641.

- Schwartz, R.J. 2514.
 Schwartzbach, S.D. 1877.
 Schwartzbach, S.D. 1878.
 Schwartz, E. 4393.
 Schwarz, E. 4430.
 Schwarz, G. 1283, 2943.
 Schwarz, J.A. 1020.
 Schwarz, K. 1605.
 Schwarz, M. 83, 4157.
 Schwarzenbach, D. 86.
 Schwarzler, M. 765.
 Schweiger, A. 2144, 3287.
 Schweiger, H.G. 3926, 5364.
 Schweiger, M. 3107, 4101.
 Schweingruber, M.E. 5036, 6167.
 Schweitzer, S.M. 2422.
 Schweizer, M.P. 3757.
 Schwenzfeger, A. 362.
 Schweppe, J.S. 1706.
 Schwimmer, M. 3976.
 Schwobel, W. 5513.
 Schwulera, V. 2145.
 Schyolkina, A. 4419.
- Sciaba, L. 909, 5814, 5862.
 Sciaky, D. 4997, 5180, 5891.
 Scobeleva, N.A. 3188.
 Scobie, M.A. 4142.
 Scocca, J.J. 4486.
 Scodeller, E.A. 6139.
 Scolnick, E.M. 233, 2241, 3049, 3242, 3802, 4829, 5778.
 Scordamaglia, R. 1260.
 Scott Knudsen, O. 1967.
 Scott, C.L. 5887.
 Scott, C.R. 575, 2469, 5284.
 Scott, D. 6045.
 Scott, F.W. 4480.
 Scott, J.F. 332.
 Scott, J.R. 4986.
 Scotto, A. 5681.
 Scovassi, A.I. 5260, 5264.
 Scovell, W.M. 3361.
 Scraba, D. 5904.
 Scrace, G.T. 4328.
 Scutz, W. 4709.
 Seah, T.C.M. 2483.
 Seal, G., 2023.
 Seal, G. 2512.
 Seal, S.N. 4724.
 Seale, R.L. 1770, 4626.
 Sealy, L. 4052, 5200.
 Searcy, D.G. 5232.
 Sebastian, J. 1701, 3420.
 Sechaka, E. 1278.
 Sedelnikova, E.A., 165.
- Sedgley, M. 3846.
 Sedgwick, S.G. 4535.
 Sedita, B.A. 1982, 4576, 4663, 4974.
 Sedliakova, M. 1019, 1586.
 Sedova, V.M. 3469.
 Seeber, S. 304, 1948, 3598, 5392.
 Seeberg, E. 4560.
 Seeburg, P.H. 372, 837, 2011.
 Seegmiller, J.E. 1744, 2471, 2520, 5279.
- Seela, F. 4703.
 Seeley, N.R. 1219.
 Seemayer, N. 6061.
 Segal, G.A. 2387, 5110.
 Segal, E. 5053.
 Segal, S. 4911.
 Segers, P. 5040.
 Seguin, R. 2548.
 Sehgal, P.B. 3461, 5365.
 Sehulster, L.M. 4746.
 Seibel, W. 6219.
 Seibert, G. 79.
 Seidel, B.L. 3816.
 Seidlova, F. 319.
 Seidman, J.G. 1065, 2562, 3182, 4745, 5829, 5966, 6126.
 Seidman, M. 294.
 Seifart, K.H. 2271.
 Seifert, J.-M. 5453.
 Seiffried, A.S. 4573.
 Seikikawa, K. 946.
 Seipel, S. 37.
 Seita, T. 41.
 Seits, I.F. 4903.
 Seitz, J.F. 2415.
 Sekellick, M.J. 334, 2576, 4319.
 Sekeris, C.E. 234, 2477, 4058, 4325.
 Seki, S. 1631, 3217.
 Seki, T. 4321, 5042.
 Sekiguchi, M. 496, 2016, 2432.
 Sekiguchi, T. 4378.
 Sekikawa, K. 6118.
 Sekimizu, K. 1122.
 Sekiya, T. 5744.
 Seligy, V.L. 4054, 6277.
 Selkirk, J.K., 4962.
 Sellin, H.G. 5667.
 Sellinger, O.Z. 637.
 Sells, B.H. 3084.
 Selna, N.B. 3221.
 Selzer, G. 2057, 2788.
 Semal, J. 850.
 Semancik, J.S. 3028.
 Semenets, T.N., 2193.
 Semenov, Yu.P. 1909.
- Semenova, L.N. 3719, 3733, 5541.
 Semikina, L.V., 5671.
 Semina, O.V. 2193.
 Semyonova, L.P. 4936.
 Sen, A. 1400, 3678, 3805, 3848, 4091, 4350.
 Sen, G.C. 1683, 2076, 6142.
 Sen, S. 4331.
 Sen, S.K. 984, 2022.
 Senda, S. 50, 5424.
 Sendek, W. 1377.
 Senesi, S. 4032.
 Senft, A.W. 679.
 Sengupta, P.K. 5419.
 Sennekamp, J. 591, 2479.
 Seno, T. 4208.
 Sens, D. 1654.
 Sensenbrenner, L.L. 4184.
 Senshu, T. 4072.
 Sentenac, H. 5873.
 Septenjian, M. 4047.
 Seppet, E.K. 2111.
 Sepulveda, A. 1928.
- Sequaris, J.M. 3893.
 Serafinowski, P. 1825.
 Serdyuk, I.N. 758, 759.
 Serdyuk, L.S. 5975.
 Sereno, M.M. 4832.
 Serfling, E. 2363, 4844.
 Sergejeva, G.I. 1773.
 Serling, J. 4676.
 Seroka, K. 1644.
 Serra, I. 3190.
 Serra, M.J. 4511.
 Serwer, P. 3491.
 Sessions, F. 6035.
 Setaro, F. 349.
 Setlow, P. 3762.
 Setlow, R.B. 2041, 2697, 2918, 4498, 6043.
 Seto, H. 1658.
 Seto, S. 1280.
 Seto, Y. 3290.
 Setterfield, G. 286, 4071.
 Setzer, D. 175.
 Seuanez, H.N. 456.
 Sevall, J.S. 4059.
 Severin, E.S. 1279, 1675, 2125, 2572, 4073, 4623, 4768, 5302, 6241.
 Severtsova, I.V., 2959.
 Sewell, E.T. 2729.
 Sexauer, C. 1509, 3208.
 Seyer, P. 127.
 Seyfert, H.-M. 977.
 Seyfried, C.E. 1046.
 Sgarrella, F. 4032, 4131.
 Sgarrella, F. 4032, 4131.
 Sgorbati, S. 882.
- Shabarova, Z.A. 700, 1301, 1736, 2555, 2572, 2972, 3580, 3696, 5527.
- Shackleton, J. 5111.
 Shaddix, S.C. 5439.
 Shafer, R.H. 718.
 Shafferman, A. 4427.
 Shafrirkin, A.V., 2391.
 Shafriz, D.A. 267, 1462, 1922, 5665.
 Shah, D.B. 931.
 Shah, K.V. 937.
 Shah, M. 3059.
 Shah, V.C. 3210.
 Shahbaz, M. 4689.
 Shaila, S. 1683.
 Shakespeare, P.G. 2078.
 Shakulov, R.S. 2592.
 Shalarnai, A.S. 1826.
 Shalamberidze, M.V. 1736.
 Shalita, Z. 4427.
 Shalitin, C. 306.
 Shall, S. 2197, 4677.
 Shalnov, M.I. 1812.
 Shand, C. 47.
 Shang Wang, B. 4813.
 Shani, M. 294.
 Shank, P.R. 1482, 3569, 5917, 5932, 6015.
 Shannahoff, D.H. 4025.
 Shannon, W.M. 5491.
 Shapiro, B. 360.
 Shapiro, D.J. 810, 1393.
 Shapiro, J. 4944.
- Shapiro, J.A. 3982.
 Shapiro, L.E. 2649.
- Shaposhnikov, J.D. 508, 1920, 3032, 3060, 4282, 5969.
 Sharawy, M.M. 4235.
 Sharma, O.K. 194, 2559.
 Sharma, R.H. 5712.
 Sharma, S. 993, 5032.
 Sharp, P.A. 436, 3048, 3218, 5687.
 Sharp, S.B. 2229.
 Sharpatyi, V.A. 5457.
 Sharpe, A.H. 1931, 3537, 3538.
 Sharpee, R.L. 3523.
 Sharpless, T. 1477, 1478.
 Sharpless, T.K. 2894.
 Sharrow, S.O. 979.
 Shashkov, V.S. 3513.
 Shatkin, A.J., 5543.
 Shatkin, A.J. 136, 2256, 5691.
 Shatsky, I.N. 2121, 3431.
 Shaw, B.R. 621.
 Shaw, D.C. 2658, 4435.
 Shaw, J.E. 1100, 6108.
 Shaw, M. 2910.
 Sha^W, P.A. 4203.
 Shchekina, E.V. 4945.
 Shcherbakova, E.Ya. 3115.
 Shearman, C.W. 1722.
 Sheehy, R.J. 3197, 4942.
 Sheeran, B.A. 3411.
 Sheffery, M. 1890.
 Sheid, B. 531.
 Sheinin, R. 1576, 4071, 5336, 5994.
- Sheinker, Yu.N., 46.
 Sheinker, 46.
 Shek, P.N. 1039.
 Shelton, E.R. 3663.
 Shelton, K. 4378.
 Shemiakin, M.F. 2421.
 Shen, C. 4411.
 Shen, C.-K.J. 4272.
 Shen, C.J. 2699.
 Shen, V. 2292.
 Shenderov, B.A. 4108.
 Shen, T. 3984.
 Shenoy, M.A. 1013.
 Shepelevtseva, N.G. 382, 842.
 Shepherd, J.C.W. 1283.
 Shepherd, W.D. 3375.
 Sheppard, R.C. 699.
 Shereshevskaya, T.M. 6269.
 Sherin, L.A. 1819.
 Sherman, F. 4087.
 Sherr, C.J. 21, 3678, 3805.
 Sherwin, S.A. 3848, 4350.
 Sheshogova, E.A. 4166, 5542.
 Shestak, K.I. 1203, 3673.
 Shettler, M.D. 4120.
 Shevchenko, Yu.V., 358.
 Shevchenko, 358.
 Shiba, T. 5633.
 Shibaev, V.N. 4125.
 Shibano, Y. 6151.
 Shibata, M. 2388.
 Shibata, S. 1853.
 Shibata, T. 1528.
 Shibnev, V.A. 3682.
 Shibuta, H. 1401.
 Shie, M. 4838.

- Shield, L.S. 5273, 5278.
 Shiflett, M. 6121.
 Shih, T.Y. 3049, 3802, 4829.
 Shik, V.V. 1184, 3659.
 Shikata, E. 1170.
 Shilov, L.A. 1436.
 Shima, A. 4376.
 Shimada, K. 521, 2411.
 Shimada, M. 72, 660.
 Shimanouchi, H. 634, 1817.
 Shimatake, H. 1527, 4528.
 Shimi, I.R. 901.
 Shimidzu, T. 92, 4113.
 Shimizu, A. 2659.
 Shimizu, B. 139, 654.
 Shimizu, C.S. 4824.
 Shimizu, K. 203, 4233.
 Shimizu, M. 1886, 2175.
 Shimojo, H. 1072, 2905, 3911, 6118.
 Shimura, K. 1327.
 Shimura, Y. 5227.
 Shindo-Okada, N. 329.
 Shindo, H. 5221.
 Shindo, K. 361.
 Shine, J. 372, 1564, 2011, 2704, 3185.
 Shingarova, I.D. 672.
 Shingarova, L.N. 2551.
 Shinohara, K. 2036, 2322, 3364, 4114.
 Shinozaki, K. 814.
 Shioda, M. 1725.
 Shiokawa, K. 326, 5729, 5762.
 Shipitsina, G.I., 5657.
 Shipman, C., Jr. 5283, 5490, 6052.
 Shipman, L.L. 2924.
 Shirahata, S. 3364.
 Shirai, T. 3955.
 Shiraishi, Y. 4648.
 Shirman, G.A. 998.
 Shiroke, K., 6118.
 Shiroke, K. 1072, 1073, 2905.
 Shirokeva, A.G. 5842.
 Shirotake, S. 3707.
 Shiroya, T. 785.
 Shirshov, A.N., 2152.
 Shirshov, A.N. 3704.
 Shirshov, A.T. 5949.
 Shishkin, S.S. 3996, 4259, 4552.
 Shivakumar, A.G. 5085.
 Shlomai, J. 1012.
 Shlyapnikov, S.V. 1675.
 Shmerling, Z.G. 5250.
 Shockman, G.D. 6075.
 Shoemaker, R.H. 6037.
 Shone, R.L. 670, 2164.
 Shoor, R. 3477.
 Shooter, K.V. 4959, 4964, 5858.
 Shope, R.E. 1456.
 Shore, G.C. 5393.
 Short, H. 1660.
 Short, P.A. 1580.
 Shortle, D. 4532.
 Shoukry, S. 901.
 Shridhar, V. 749.
 Shrift, A. 4763.
 Shternberga, I.Ya. 1274.
 Shubina, E.A. 5059.
 Shubina, T.N. 3619, 3733, 5541.
 Shugar, D. 20, 109, 671, 1803, 1837, 2545, 3346.
 Shugart, L. 3378.
 Shugart, L.R. 2990.
 Shulga, S.M. 3866, 5409.
 Shulgovskaya, E.M. 4931.
 Shulman, R.W. 4890.
 Shuvaeva, T.M. 2831.
 Shvedov, V.I. 643.
 Shvets, V.N. 1056.
 Shvetsov, Yu.S., 2152.
 Shvetsov, Yu.S. 3704.
 Siboska, G.E. 5577.
 Sicard, N. 1543.
 Sicard, P.J. 3893.
 Siciliano, M.J. 3275.
 Siddell, S.G. 4913.
 Siddiqui, F.A. 2843.
 Siddiqui, M.A.Q. 3373, 4355.
 Sidello, P.R. 5387.
 Sidloi-Lumbroso, R. 5822.
 Sidorenko, L.I. 5143.
 Sidorova, T.A. 1832.
 Sidransky, H. 750, 2206, 4794, 5622, 5638.
 Sidwell, R.W. 5495, 5515, 5521.
 Siegel, A. 4775.
 Siegel, M.R. 5307.
 Siegel, P.J. 5840.
 Siegl, G. 3803.
 Siegmann, M. 1902.
 Siemens, T.V. 2495.
 Sierakowska, H. 20.
 Sierra, J.M. 1914.
 Sigel, H. 4159.
 Sigler, P.B. 180.
 Sigman, D.S. 4567.
 Siim, J.C. 1483, 2669.
 Silaev, A.B. 6164.
 Silaeva, S.A. 576, 1040.
 Silayev, A.B. 4692.
 Silber, R. 3274.
 Silberklang, M. 1398, 1877.
 Silberstein, A. 771.
 Silberstein, Z. 5934.
 Silcox, J.J. 3971.
 Silengo, L. 770.
 Silha, M. 4080.
 Sill, V. 1621.
 Silnutzer, J. 6078.
 Silver, L. 425.
 Silver, L.M. 6295.
 Silver, S. 5927.
 Silverman, M. 520.
 Silverman, P.H. 1460.
 Silverman, R.H. 4876.
 Silverman, S. 1674, 2991.
 Silverstein, S. 2209, 3987, 5598, 6117.
 Silverstone, A.E. 6204.
 Sim, S.-K. 902, 5848.
 Simanovskii, L.N. 2770.
 Simard, A. 6220.
 Simek, S. 4929.
 Simic, M.G. 4972.
 Simionescu, C. 2524.
 Simmonds, H.A. 2855.
 Simon, D. 4591.
 Simon, M. 520.
 Simon, M.N. 3062.
 Simoncsits, A. 2565, 5543.
 Simonian, M.H. 719, 2382.
 Simonyan, S.Z., 2801.
 Simpson, A.M. 3814.
 Simpson, D.K. 370.
 Simpson, L. 3814.
 Simpson, M.V. 455.
 Simpson, N. 3592.
 Simpson, R.T. 2012, 5312.
 Sims, H.F. 5573.
 Sims, J. 5005.
 Sims, P. 5859.
 Sims, P.F.G. 4250.
 Simsman, R.C. 1761.
 Simuth, J. 2313.
 Sina, B.J. 2883.
 Sina, J.F. 4894.
 Sinclair, G.D. 1760, 6266.
 Sinden, R.R. 5103.
 Singer, B. 1978, 2944, 4186.
 Singer, D.S. 4612.
 Singer, I.I. 1573.
 Singer, J. 1289.
 Singer, M. 5066.
 Singer, M.F. 1758, 3167, 4612.
 Singer, R. 1759.
 Singh, D. 4596.
 Singh, L.B. 1162.
 Singh, M. 1089, 3497.
 Singh, P. 1281, 5406.
 Singh, R. 3080, 3089.
 Singh, S.S. 1089.
 Singh, U.B. 2667.
 Sinha, B.K. 3888.
 Sinha, U. 2046.
 Sinitsin, P.V. 1427.
 Sinjak, K.M. 959.
 Siomin, Ju.A. 4414.
 Sippel, A.A. 3071.
 Sippel, A.E. 1394.
 Siquet-Descans, F. 3132.
 Sirover, M.A. 2023, 2512, 6046.
 Sivak, L.A. 5580.
 Sivarajan, M. 569.
 Sivok, B. 524.
 Sivov, I.G. 958.
 Six, E.W. 5182.
 Sizova, N.I. 5671.
 Sjoberg, B.M., 1167.
 Sjoberg, B.M. 1167, 3916, 5174.
 Sjoström, J.-E. 5893.
 Skaer, R.J. 1221, 6285.
 Skagen, D.W. 4371.
 Skala, A.M. 3697.
 Skalka, M. 4048, 4079.
 Skaper, S.D. 1744.
 Skarsgard, L.D. 5120.
 Skavronskaya, A.G. 1592, 2689, 2756.
 Skehel, J.J. 3326, 3440, 4284.
 Skidmore, C., 4677.
 Skinner, D.M. 1550, 2361, 2919, 3548.
 Sklar, V.E.F. 2640.
 Sklobovskaja, M.V. 4414.
 Sklyadina, V.B., 365.
 Skobeleva, N.A. 3993, 5657.
 Skobeltyna, L.M. 2985.
 Skoblov, Y.S. 3260.
 Skolnik, H. 4534.
 Skoog, F. 68, 659.
 Skoog, F.K. 2932.
 Skoog, L. 1294.
 Skoropikova, J. 3882.
 Skorve, J. 228.
 Skotnikova, O.I. 302.
 Skoultschi, A.I. 267.
 Skovrons'ka, E.V. 236.
 Skrede, S. 1160.
 Skrinskaya, V.A. 1754.
 Skryabin, G.K. 5807.
 Skryabin, K.G. 3448, 3546.
 Skupp, S. 2179, 2425.
 Skuridin, S.G. 3513, 5879.
 Skurray, R.A. 4993, 5168, 5177.
 Slade, T.A. 4959, 4964.
 Slaga, T.J. 911, 1020, 1038, 2777.
 Slaska, K. 3826.
 Slater, D.W. 3749.
 Slater, I. 3749.
 Slater, J.M. 5493.
 Slater, M.L. 979.
 Slater, R.J. 1678.
 Slattery, E. 2076.
 Slee, A.M. 3856.
 Slegers, H. 1918.
 Slepceky, R.A. 3856.
 Slepneva, I.A. 5244.
 Sleptsova, L.A. 870.
 Slezarikova, V. 1019, 1586.
 Slickin, M.A. 35, 40.
 Slightom, J.L. 5055.
 Sloan, B.J. 5485.
 Slobin, L.I. 4251.
 Slobodjanyk, K.F. 3860.
 Slobodyan, M.M. 839.
 Slobodyanyuk, S.J. 4619.
 Slocombe, P.M. 4425.
 Slomski, R. 330, 1448, 3101.
 Slonimski, P.P. 961, 5052, 5951, 5954.
 Sloof, P. 5705.
 Slor, H. 1018, 3257, 5100.
 Slozhenikina, L.V. 5215.
 Smagowicz, W.J. 4334, 4361.
 Smales, W.P. 6019.
 Smallcombe, S.H. 2814.
 Smekal, E. 3882.
 Smerdon, M.J. 4499.
 Smetana, K. 3300, 4051.
 Smirnov, I.V. 3500.
 Smirnov, V.D. 3580.
 Smirnov, V.N. 4791.
 Smirnov, V.V. 2555, 4791.
 Smirnov, Yu.V. 2831, 3262.
 Smirnova, T.A., 4434.
 Smith, A.A. 5768.
 Smith, A.E. 2205, 2419, 4913.
 Smith, B.P. 397.
 Smith, C.A. 6132.
 Smith, C.L. 3572, 5229.
 Smith, D. 4937.
 Smith, D.B. 458.
 Smith, D.W. 4025.
 Smith, D.W.E. 3380.
 Smith, E.M. 1647.
 Smith, E.O. 5136.
 Smith, G.H. 805, 888.

- Smith, G.K. 2809, 5209.
 Smith, G.L. 484, 3857.
 Smith, H. 272.
 Smith, H.H. 1489.
 Smith, H.O. 5961.
 Smith, H.R. 2340.
 Smith, J.J. 30.
 Smith, J.L. 4144.
 Smith, J.M. 2064, 2065.
 Smith, J.R. 3355.
 Smith, K. 2242, 2270.
 Smith, K.C. 1015, 3712.
 Smith, K.E. 3411.
 Smith, L.A. 3616.
 Smith, L.D. 137.
 Smith, L.L. 1623.
 Smith, M. 3356, 3358.
 Smith, M.A. 6085.
 Smith, M.M. 2274.
 Smith, M.S. 4582.
 Smith, R.A. 352.
 Smith, R.E. 3487, 6049.
 Smith, S.H. 5490.
 Smith, S.J. 873.
 Smith, S.L. 792, 5472.
 Smith, S.S. 4016.
 Smith, S.W. 2837.
 Smith, V.C. 3569.
 Smith, W.P. 5617.
 Smits, H.L. 3990.
 Smolyaninova, O.A. 3751.
 Smorodintsev, A.A. 3746.
 Smotryaeva, M.A. 1504.
 Smrt, J. 5451, 5546.
 Smulson, M. 1746.
 Smulson, M.E. 162.
 Smyth, J.F. 1843.
 Sninsky, J.J. 4037.
 Snopek, T.J. 5294.
 Snyder, C.E. 1533.
 Snyder, C.M. 1570.
 Snyder, L. 5804.
 Snyder, L.A. 2883.
 Snyder, M. 3543.
 Snyder, P.G. 881.
 So, A.G. 4024.
 Sobell, H.M. 707, 708, 903, 5882.
 Sobiczewski, W. 5273.
 Soboleva, I.A. 165.
 Socher, S.H. 1389.
 Soderlund, H. 834, 1228.
 Soderman, G. 1294.
 Sodja, A. 3507.
 Soeda, E. 948, 2350, 5023.
 Sofrova, D. 3069.
 Sogo, J.M. 3305, 5004.
 Sohar, P. 98.
 Sokal, G. 1639, 5160.
 Sokolov, N.A. 1183, 3297.
 Sokolov, N.N. 6157.
 Sokolova, N.I. 700, 1301, 1311, 1736, 2572, 4768, 5527.
 Sokolova, Z.A. 6260.
 Sol, C.J.A. 1055.
 Solage, A. 5068.
 Solaini, G. 3633, 3634, 3635.
 Solberg, K.A. 6188.
 Sole, M.J. 5319, 5321.
 Solenghi, M.D. 6138.
 Solioz, M. 5052.
 Solisch, P. 1732.
 Soll, D. 1674, 2991, 3382, 3755.
 Soll, L. 1337.
 Solle, M. 75.
 Sollner-Webb, B. 2731.
 Solomon, D. 4534.
 Solomon, J.J. 1503.
 Soloski, M.J. 2142.
 Solotorovsky, M. 3020.
 Soloviev, V.D., 2305.
 Soltis, D. 3632.
 Soltys, A. 1803, 5394.
 Som, K. 5837.
 Sornberg, E.W. 3816, 6229.
 Someno, K. 1318.
 Sommer, A. 6270.
 Sommer, H. 1090.
 Sommer, R. 2345.
 Sommer, R.G. 2191.
 Sommerville, J. 2903, 5395.
 Somogyi, B. 1109.
 Somogyi, P.A. 5002.
 Son, T.-D. 1295.
 Sonenberg, N. 5691.
 Sonenshein, A.L. 2091.
 Sonermeijer, P.J.A. 2266.
 Song, P.-S. 3368, 3503.
 Sonis, S. 1291.
 Sonnabends, J.A. 4773.
 Sonenberg, F. 2902.
 Sonnenbichler, J. 2891.
 Sonthheimer, R.D. 6233.
 Sood, A.K. 4728.
 Sor, F. 204.
 Sorarrain, O.M., 1257.
 Sorarrain, O.M. 4687.
 Soreq, H. 2107, 2973.
 Soriano-Garcia, M. 31.
 Sorokin, V.A. 411, 3898, 4050, 4413, 4416, 5881.
 Sosa Miatello, C. 4232.
 Sotomayor, R.E. 2387.
 Souchier, C. 2310.
 Soukup, S.W. 2139.
 Soule, H.R. 6014.
 Southern, E.M. 3177.
 Southon, I.W. 3705.
 Souza, L. 3532.
 Soyfer, V.N. 1216, 2395, 4525.
 Spadafora, C. 6279.
 Spadari, S. 4026, 4947, 5260, 5265.
 Spadoni, M.A. 216.
 Spaeth, G.L. 587.
 Spargo, D.J. 465.
 Sparkes, M.J. 1296.
 Sparrow, M.P. 3389.
 Sparvoli, E. 882, 5824.
 Spasokukotskaja, T. 4716.
 Spassky, A. 1794.
 Spassov, A.V. 44.
 Spassovska, N.C., 661.
 Spassovska, N.A. 44.
 Spassovska, N.C. 662.
 Spear, I.S. 441.
 Speck, W.T. 2311.
 Speckhard, D.C. 1114.
 Spector, A. 2664.
 Spector, D. 5740.
 Spector, D.H. 2242, 2258.
 Spector, E.B. 1744.
 Spencer, D. 4224.
 Spencer, J.H. 3516.
 Spencer, J.W. 5503.
 Spencer, N. 1154.
 Spendlove, R.S. 3804.
 Sperelakis, N. 3100.
 Sperling, J. 5537.
 Sperling, L. 1204.
 Sperling, R. 604, 4063.
 Sperti, S. 1889.
 Spiegelman, G.B. 1916, 5245.
 Spieler, P.J. 2594.
 Spierer, P. 5609.
 Spiess, H. 3395.
 Spillmann, S. 1369.
 Spindle, A.I. 117.
 Spindler, E. 1713.
 Spindler, S.R. 3625.
 Spinelli, G. 285.
 Spirin, A.S. 222, 4800, 4802.
 Spithill, T.W. 5634.
 Spitkovsky, D.M., 1183, 3297, 4085.
 Spizizen, J. 352, 3710.
 Spohn, W.H., 1923.
 Spohn, W.H. 3791.
 Spohr, G. 2282.
 Sponar, J. 3872, 4617, 6250.
 Sponza, G. 2053.
 Spooner, L.L.R. 561.
 Sprague, G.L. 4901.
 Sprague, J.M. 5296.
 Sprecher, C.A. 1282.
 Spring, H. 4375.
 Spring, T.G. 3124.
 Sprinzl, M. 1381, 2203, 5575, 5577.
 Sproat, B.S. 5524.
 Spruance, S.L. 2773.
 Spurna, V. 3191.
 Squires, C. 5036.
 Sreenivasan, A. 2878.
 Sri-Widada, J. 4811.
 Sridhar, R. 1517.
 Srikrishnan, T. 58, 5419, 5429.
 Srinivasa Reddy, Y. 3968.
 Srinivasan, A.R. 4421.
 Srinivasan, P.R. 184.
 Srinivasan, R. 4421.
 Srinivasan, S. 788.
 Sriram, G. 1957.
 Srivastava, A. 5275.
 Srivastava, B.I.S. 2841, 2843, 6189, 6203.
 Srivastava, P.C. 667.
 Srivastava, U. 3479, 3480, 3481, 6063.
 Sriwidada, J. 1358.
 Ssymank, V. 1950.
 St Martin, E.J. 6096.
 Stacy, A.R. 2856.
 Staden, R. 2700, 413.
 Stadler, B.M. 4812.
 Stadler, H. 1898.
 Stadler, J. 4370, 4375.
 Staehelin, T. 2231, 2600, 2601, 4802.
 Stafford, D.W. 5957.
 Stahl, A. 2310, 4540, 6127.
 Stahl, A.J.C. 1879.
 Stahl, S.J. 1700.
 Stahl, U. 4933.
 Stahly, D.P. 3857.
 Stalder, J. 6268.
 Stalder, J. 2134.
 Stallcup, M.R. 3833.
 Stallings, W.C. 154.
 Stamborg, J. 5076.
 Stambrook, P.J. 1559, 6060.
 Stan, M., 1608.
 Stanek, R. 533, 5212.
 Stanley, J. 5705.
 Stanners, C.P. 3385.
 Starck, J. 4309.
 Stark, G.R. 2240.
 Starks, J.E. 485, 515.
 Starling, P. 2515, 3519, 5044.
 Stastna, J. 976.
 Staub, M. 4716.
 Staudenbauer, W.L. 4433, 4472.
 Staver, M.J. 1740.
 Stawinski, J. 4167.
 Staynov, D.Z. 3645.
 Stebbing, N. 712, 2975, 2981, 5776.
 Steege, D.A. 259, 774, 795.
 Steel, L.K. 1234, 2846, 4666, 5557.
 Steele, K.P. 3443.
 Steenbergh, P.H. 2353, 6154.
 Steer, W.M. 2360.
 Stefanini, M. 5260.
 Steffensen, D.M., 1409.
 Steffensen, D.M. 6304.
 Stegmann, B. 6011.
 Stehlin, J.S., Jr. 1288.
 Steiger, R.F. 2758.
 Steigerwalt, A.G., 5041.
 Stein, G. 6274.
 Stein, G.S. 2921, 4017, 6254.
 Stein, H. 1713.
 Stein, J.L. 2921, 4017, 6254.
 Stein, P.J. 6176.
 Stein, R.W. 5846.
 Stein, W.H. 2802.
 Steinberg, R.A. 4718.
 Steinborn, G. 1085.
 Steinemann, M. 3927.
 Steiner, D.F. 4848.
 Steiner, R.F. 387.
 Steinerg, A.D. 3284.
 Steinert, M. 2002, 2920.
 Steinhoff, M.C. 4564.
 Steinmetz, L.L. 2307, 2308.
 Steinmetz, M. 6240, 6245.
 Steitz, J.A. 772, 4296.
 Stellman, S.D. 4731.
 Stellwagen, R.H. 1289.
 Stelly, N. 4784.
 Stenberg, K. 3963.
 Stenderup, A. 4998.
 Stengg, R. 4146.
 Stengrevics, O.A. 3417.
 Stepanov, A.I. 1990, 1991, 4563, 5001.
 Stepanov, R.P. 597.
 Stepanov, S.V. 1864.
 Stepanova, I.M. 5105.
 Stephanshin, Yu.G. 5169.
 Stephen, E.L. 1870, 2978, 5497.
 Stephenson, J.R. 4912.

- Stephenson, M.L. 2194, 2195.
 Stepien, E. 4562.
 Stepien, P.P. 3174.
 Sterescu, N. 5098.
 Stern, A.M. 4567.
 Stern, F.A. 314.
 Stern, H. 4656.
 Stern, L. 1344.
 Stern, R. 3087.
 Sternbach, H. 2203, 4210.
 Sternberg, N. 2208, 2709.
 Sternglanz, H. 106.
 Stetka, D.G. 6290.
 Stetler, D.A. 1128, 4892.
 Stetter, K.O. 1113, 5009.
 Steup, M. 1950.
 Stevely, W.S. 3388.
 Stevenet, J. 1848.
 Stevenin, J. 2872, 2913.
 Stevens, A. 4605, 5218.
 Stevens, B.J. 4784.
 Stevens, L. 3585.
 Stevenson, A.J. 2050.
 Stevenson, R.M. 4307.
 Steward, A.P. 1976.
 Steward, D.L. 6171.
 Stewart, A.G. 751.
 Stewart, B.W. 2033, 3665.
 Stewart, C.R. 6160.
 Stewart, D. 1884.
 Stewart, J.W. 4087.
 Stewart, R. 638, 646.
 Stewart, T.S. 194.
 Stich, H.F. 483.
 Stich, W. 483.
 Stiegler, P. 809, 1407, 1408.
 Stilbs, P. 5468.
 Stiles, C.D. 4519.
 Stiller, K.-J. 2389.
 Stillman, B.W. 1000.
 Stillwell, R.N. 663.
 Stimac, E. 1052.
 Stimpson, D. 5939.
 Stinski, M.F. 5596.
 Stirpe, F. 1889.
 Stobiecki, M. 61.
 Stocking, C.R. 5640.
 Stocklin, G. 1265, 4139, 5460.
 Stockx, J. 6140.
 Stodola, R.K. 2184.
 Stoedcker, J.D. 2108.
 Stoffer, G. 1898.
 Stoger, I. 6207.
 Stohlman, S.A. 3436.
 Stohr, M. 4375.
 Stoian, M. 1608.
 Stokrova, S. 3872.
 Stolarsky, L. 1466.
 Stollar, B.D. 4733, 5297, 6231, 6295.
 Stollar, V. 4315.
 Stolyarova, L.G. 1106.
 Stone, H.O. 6230.
 Stone, J. 6004.
 Stone, P.R. 1188, 2786.
 Stone, R.T. 1945.
 Stoner, G.D. 906, 4962.
 Storb, U. 4260, 5967.
 Storck, R. 3493.
 Storl, K. 1591, 3205.
 Stoughton, R.B. 3956.
 Stout, E.R. 2459, 5256.
 Stoykova, A.S. 217.
 Straat, P.A. 975.
 Stradins, J. 3699.
 Strair, R.K. 267, 1462, 1922, 5665.
 Strannegard, O. 2401.
 Strate, C. 5135.
 Straub, K. 406, 1971.
 Straub, K.M. 2687.
 Strauss, N.A. 2701, 3180.
 Strausbauch, L. 4346.
 Strausbaugh, L.D. 854.
 Strauss, R.L. 964.
 Strauss, A. 1476.
 Strauss, B. 3204, 3225.
 Strauss, B.S. 2038.
 Strauss, J.H. 4826.
 Strauss, M. 2848.
 Strayer, D.R. 3561.
 Streeck, R.E. 6240, 6245.
 Streffer, C. 5509.
 Streips, U.N. 1643, 1659, 4475, 5936.
 Streissle, G. 5513.
 Streker, R.G. 3583.
 Streckowski, L. 5410.
 Streitsov, S. 3756.
 Streltsov, S.A. 2988.
 Strickland, R.G., 4044.
 Strickland, J.E. 1384.
 Strickland, W.N. 2882.
 Stringer, C.D. 4271.
 Stringer, J.R. 4281.
 Strniste, G.F. 1186.
 Strockova, L.S. 6288.
 Strohbach, G. 1846.
 Strom, S. 680.
 Strominger, J.L. 6008.
 Strongin, A.Ya. 952, 1490, 2421.
 Strop, P. 57.
 Strothkamp, K.G. 3369.
 Stroun, M. 463, 511, 1058, 2516.
 Struhl, K. 2798.
 Struve, M.E. 3961.
 Strycharz, W.A., 2001.
 Strycharz, W.A. 3053.
 Stuart, W.D. 5777.
 Stuber, D. 926.
 Studier, F.W. 5012, 5673.
 Stuhmann, H.B. 1896, 3014.
 Stuitje, A.R. 6092.
 Stuitje, T. 5000.
 Stunnenberg, H.G. 4058.
 Sturtevant, J.M. 1306.
 Stussi-Garaud, C. 1126.
 Stutz, E. 5057.
 Suami, T. 85, 4132, 4140.
 Suarez, H.G. 1848.
 Suau, P. 3651.
 Subbaraman, A.S. 652.
 Subirana, J.A. 1182, 3651.
 Subramanian, A.R. 1353, 1379, 3788.
 Subramanian, K.N. 5029.
 Suchilene, S.P., 6243.
 Suchilene, S.P. 6248.
 Suda, H. 1327.
 Suda, T. 5144.
 Sudhakar, S. 162.
 Sueoka, N. 2269.
 Sueoka, S. 4921.
 Sufrin, G. 5285.
 Sugano, N. 5226.
 Sugden, B. 940.
 Sugimura, T. 706, 904, 3639.
 Sugino, A. 2857, 4590, 5294.
 Sugisaki, H. 2449.
 Sugiura, A. 1959.
 Sugiura, K. 4968.
 Sugiura, M. 277, 4042, 4565.
 Sugiyama, H. 1280.
 Suhadolnik, R.J. 694, 696, 3228, 5602.
 Suits, R.D. 4697.
 Sukhanova, K.M. 5811.
 Sukharevsky, B.Y., 3903.
 Sukharevsky, B.Y. 4424.
 Sukhodolet, V.V. 1165.
 Sukhodub, L.F. 3899.
 Sukhorukov, B.I. 103, 2556, 3736, 3737, 4423.
 Suko, M. 3643.
 Sulakhe, P.V. 5538.
 Suleiman, Y.M. 40.
 Sulimov, G.E. 4523.
 Sulimova, G.E. 1054, 2928, 5971, 5972.
 Sullivan, J.P. 376.
 Sullivan, M. 3182, 5020.
 Sulston, J.E. 3942.
 Sumegi, J. 3826.
 Sumida-Yasumoto, C. 462.
 Summers, J.M. 4337.
 Summers, W.A. 2530.
 Summers, W.C. 1156, 5679, 5915.
 Summers, W.P. 1156.
 Sumner, A.T. 6317.
 Sumrada, R. 3085.
 Sun, S.M. 5799.
 Sunahara, N. 658.
 Sundaralingam, M. 5467, 5523.
 Sundararaj, T. 1802.
 Sundharadas, G. 5553.
 Sung, M.T. 4611.
 Sunshine, M. 6000.
 Suomalainen, H. 4852.
 Supino, R. 1613.
 Suresh, M.R. 3834, 4314.
 Surguchov, A.P. 4791.
 Surovaya, A. 3756.
 Surovaya, A.N. 2988.
 Surrey, S. 1083.
 Suryanarayana, T. 1379, 3788.
 Suss, J. 3371.
 Sussenbach, J.S. 2353, 2751, 4474, 6154.
 Sussman, C.H. 5907.
 Sussman, J.L. 2334.
 Sussman, M.R. 1268.
 Suster, D.C. 43.
 Sutcliffe, J.G. 6158, 5232.
 Suter, W. 5102.
 Sutherland, R.L. 1716.
 Sutter, D. 6112.
 Sutton, C.A. 202.
 Sutton, L. 4995.
 Suurkuusk, J. 1863.
 Suzuki-Hori, C. 3271.
 Suzuki, H. 193, 513, 4222, 4926.
 Suzuki, K. 2154.
 Suzuki, M. 4529, 4565.
 Suzuki, N. 1487.
 Suzuki, T. 2092.
 Suzuki, Y. 2069.
 Svachulova, J. 1692, 5204.
 Svec, J. 5270.
 Svenningsen, B.A. 3064, 3246.
 Sverdllov, E.D. 326.
 Sveshnikov, P.G. 3878, 3879, 5877.
 Svetlikova, S.B. 4083.
 Svinarchuk, F.P. 5313.
 Vitkin, Yu.V. 3387, 4363, 4914.
 Swami, K.S. 3968.
 Swanbeck, G. 2698.
 Swann, A.I. 4214.
 Swanson, E. 4613.
 Swanson, R.E. 6314.
 Swart, C. 4830.
 Swartz, L.A. 1047.
 Sweeney, K. 4708, 4859.
 Sweet, R. 3550.
 Sweetman, L. 3341.
 Swenson, D.H. 4958.
 Swenton, J.S. 4122.
 Swetly, P. 3748.
 Swindells, D. 2847.
 Switkes, E. 3360.
 Sy, J. 727, 1300.
 Sykes, J.M.M. 1469.
 Sylvan, P. 2275.
 Symmons, P. 2377.
 Symonds, N. 3530, 5595.
 Symons, M.C.R. 5425.
 Symons, R.H. 691, 2624, 3444, 5663, 5701.
 Synenki, R.M. 5082.
 Sypherd, P.S. 3066, 4220.
 Syrett, P.J. 3726.
 Syrucek, L. 5364.
 Szabo, C. 3472.
 Szabo, P. 1409, 1787.
 Szafarz, D. 3881.
 Szala, S. 281.
 Szarkowski, J.W. 4549.
 Szecsi, A. 5838.
 Szijan, I. 2875.
 Szumiel, J. 5508.
 Szweykowska, A. 3618.
 Szyba, K., 3545.
 Szyba, K. 3172, 3544, 5941.
 Szybalski, W. 3161.
 Szybiak, U. 5654.
 Szyszko, M. 3775.
 Tabak, H.F. 5828.
 Taber, R.L. 4714.
 Tabor, M.W. 2612.
 Taborsky, I. 3097.
 Tachibana, H. 3164.
 Tada, M. 5857.
 Tadano, K. 85, 4132, 4140.
 Taddei, C. 205, 1133.
 Tadokoro, K. 3643.
 Tagashira, Y. 5064.
 Tagawa, T. 70.
 Taguchi, H. 651, 2926.
 Tahara, S.M. 2229.

- Tai, M. 1900.
 Tai, P.-C. 3400, 5617.
 Taira, S. 1246.
 Tait, R. 6155.
 Taiz, L. 485, 515, 2312.
 Takacs, B. 4583.
 Takagi, J. 1528.
 Takagi, M. 2228.
 Takagi, S. 240.
 Takagi, Y. 521, 2411, 2447.
 Takahashi, E. 1755.
 Takahashi, H. 5984, 6024.
 Takahashi, K. 1099, 5748.
 Takahashi, M. 2427, 2428.
 Takahashi, S. 1687, 2061.
 Takahashi, T. 6201.
 Takai, H. 1255, 4119.
 Takaku, H. 132, 5531.
 Takanami, M. 3164.
 Takata, R. 4451.
 Takatsuki, A., 2154.
 Takatsuki, A. 2945.
 Takayasu, H. 481.
 Takebe, H. 2759.
 Takebe, I. 3683.
 Takeda, H. 5743.
 Takeda, Y. 1222.
 Takehara, M. 324.
 Takemori, N. 4373.
 Takemoto, T. 4249.
 Takemura, S. 4748, 4749.
 Takenaka, A. 634, 1817.
 Takeo, T. 305.
 Taketo, A. 2748, 3573, 5089, 5999, 6076.
 Taketo, Y. 3573.
 Takeuchi, N. 2771.
 Takeuchi, S. 1515.
 Takinami, K. 4162.
 Takuma, T. 578.
 Tal, M. 364, 771.
 Talal, N. 3283, 3285.
 Talas, M. 6207.
 Talavera, A. 1619.
 Talkington, C. 3622.
 Tallar, B.J. 68, 659.
 Tallman, G. 3653, 4066.
 Talpaert-Borle, M., 5292.
 Tamanoi, F. 5436.
 Tamao, Y. 4596.
 Tamaoki, H. 4557.
 Tamba, M. 6138.
 Tamburro, A.M. 2621, 5698.
 Tamemasa, O. 305, 847, 1514, 1847, 2824.
 Tamino, G. 3224.
 Tamir, H. 36.
 Tamm, C. 148.
 Tamm, I. 5126, 5365.
 Tamura, C. 5428.
 Tamura, G. 2154, 2945.
 Tamura, S. 2081, 4614.
 Tan, E.M. 3710.
 Tan, K.B. 624.
 Tan, K.K. 684.
 Tanabe, T. 2929.
 Tanaka, A. 5927.
 Tanaka, H. 654, 2143.
 Tanaka, M. 1915, 3381, 5310.
 Tanaka, N. 3196, 4968, 5633.
 Tanaka, S. 155, 4042, 5266.
 Tanaka, T. 4453.
 Tanaka, Y. 1321.
 Taneja, V. 2862.
 Tang, J. 3979.
 Tang, M.-S. 487, 567.
 Tanifuji, S. 5080.
 Tanigawa, Y. 4508.
 Taniguchi, T. 2255, 3432.
 Tanningher, M. 5814, 5862.
 Taniuchi, H. 1671.
 Taniyama, Y., 2666.
 Tannock, G.A. 3438.
 Tanooka, H. 2432.
 Tanphaichitr, K. 1171.
 Tanyashin, V.I. 1069, 5895.
 Taper, H.S. 1691.
 Tapiero, H. 1555, 5067.
 Tapley, K.J., Jr. 3503.
 Tapper, D.P. 3938.
 Tarantul, V.Z. 144, 266, 371, 1412, 3691, 4457.
 Tarasova, L.M. 3295.
 Tarnowka, M.A. 5214.
 Tarone, R.E. 1051.
 Tarr, C.E. 724.
 Tarrago-Litvak, L. 3627, 5261.
 Tartof, K.D. 3249, 5958.
 Tata, J.B. 5393.
 Tata, J.R. 2832.
 Tatar, A. 6191.
 Tatarskaya, R.I. 2801.
 Tatchell, K. 1198, 1764, 2498.
 Tate, W.P. 3767, 5601.
 Tateyama, M. 866, 5823.
 Tatsumi, K. 2320, 3225.
 Tatsumi, M. 1024, 2034.
 Tattire, B. 534.
 Tausch, G. 6066.
 Tax, J. 1947.
 Taylor, A.M.R. 1233.
 Taylor, D.M. 1053, 2372.
 Taylor, G.A. 1270.
 Taylor, G.L. 154, 5469.
 Taylor, H.C. 544, 2440.
 Taylor, I.W. 1612.
 Taylor, J.L. 474.
 Taylor, J.M. 3808, 5798.
 Taylor, K.W. 1149.
 Taylor, M.W. 560, 1957.
 Taylor, R.L. 2171.
 Taylor, T.N. 3528.
 Tchurikov, N.A. 5060.
 Teague, J. 467.
 Tecklenburg, M. 6119.
 Tedeschi, M.V. 268.
 Teeter, M.M. 2567.
 Tegg, D. 669.
 Teggin, J.E. 5522.
 Tegtmeyer, P. 2419.
 Teh, J.S. 5219.
 Tekitek, A. 721.
 Teller, D.C. 4613.
 Temepi, K. 5115.
 Temin, H.M. 3988, 6111.
 Templeton, M.A. 3333.
 Ten Nover de Brauw, M.C., 5551.
 Tener, G.M. 4193.
 Teng, C.S. 2492.
 Teng, M. 1028.
 Tennant, R.W. 3985.
 Tennov, A.V. 3188.
 Tenzov, Yu.Yu. 2645.
 Teoule, R. 93, 2695, 5457.
 Tepper, D.A. 3007.
 Teplitsky, A.B. 3899.
 ter Meulen, V. 5688.
 Terada, M. 333, 3933, 5840.
 Teranishi, H. 3728, 4148.
 Terao, T. 410.
 Teraoka, H. 2081, 2593, 5606.
 Terasima, T. 5114.
 Terawaki, Y. 3219.
 Terni, M. 115.
 Ternovyi, M.K. 4494.
 Terra, W.R. 3992.
 Terry, P.M. 2289, 4327, 5746.
 Tershak, D.R. 2221, 5738.
 Tersikh, V.V. 2451, 5143.
 Teslenko, L.V. 4212.
 Tessman, I. 6228.
 Testa, D. 4886.
 Testa, J.R. 3576.
 Tester, C.F. 2376.
 Teterina, N.L. 3009, 3446.
 Tew, K.D. 1053, 2372.
 Tewari, R.P. 3020.
 Tezuka, M. 847.
 Thach, R.E. 4803.
 Thakur, M.K. 3292, 5306.
 Thaler, M.M. 495.
 Thamman, P. 5614.
 Thang, D.-C. 2468.
 Thang, M.N. 159, 726, 2468, 4733.
 The, T.H. 2405.
 Theile, M. 2848.
 Theise, H. 2217.
 Thelander, L. 1294.
 Theriault, N. 3739.
 Therrien, C.D. 5132.
 Thiebe, R. 4765.
 Thiele, B.J. 3057, 3058, 4917.
 Thiele, D. 2554, 4176, 4177.
 Thiellier, H.P.M. 60, 96.
 Thielmann, H.W. 1793.
 Thierry, J.C. 166, 2568.
 Thiery, J.-P. 3555.
 Thiery, J.P. 677.
 Thimmappaya, B. 5029, 5921, 5922.
 Thirion, C. 4720.
 Thiry-Braipson, J. 6089.
 Thiyyagarajan, P. 2967.
 Thoma, F. 614.
 Thomale, J. 743, 1325, 4760.
 Thomas, C. 1443.
 Thomas, C.A. 5565.
 Thomas, C.M. 5189.
 Thomas, G. 1902, 5711.
 Thomas, G.H. 397.
 Thomas, G.J., Jr. 4287.
 Thomas, H.J. 3334.
 Thomas, J.A. 2400.
 Thomas, J.M. 106.
 Thomas, J.O. 2876, 4678.
 Thomas, K.R. 5236.
 Thomas, M.F. 5083.
 Thomas, P. 2286.
 Thomas, R. 5396.
 Thomason, A.R. 3794.
 Thomassen, E. 4043.
 Thomes, J.C., 5584.
 Thomes, J.C. 4209.
 Thompson, B.J. 5907.
 Thompson, L.H. 6289.
 Thompson, P. 562.
 Thompson, R. 5168.
 Thompson, S. 911.
 Thomson, A.W. 2196.
 Thomson, J.A. 2921, 6254.
 Thon, W. 1050.
 Thonart, P. 4893.
 Thone, F. 6211.
 Thong, Y.H. 3340.
 Thongmeeakom, P. 4286.
 Thorbeck, R.R. 4666.
 Thorell, B. 347.
 Thorley-Lawson, D.A. 6008.
 Thornley, A.L. 465.
 Thornton, C. 3109.
 Thouveny, Y. 3302, 5077.
 Thrash, C.R. 274.
 Thurlow, D.L. 4293.
 Thyresson-Hok, M. 2698.
 Thys, F. 3915.
 Tibbetts, C., 947.
 Tibbetts, C. 442.
 Tichadou, J.L. 153.
 Tichy, P. 2420, 5163.
 Tidd, D.M. 3353, 4721.
 Tidwell, J.T. 4203.
 Tiedemann, H. 1199, 5324.
 Tiemeier, D.C. 1065, 1494, 3090, 3182, 5966.
 Tien Kuo, M. 1201, 2630.
 Tierney, B. 5859.
 Tiessere, M. 1699.
 Tiffany, S.M. 5262.
 Tiffe, H.W. 3861.
 Tigges, M.A. 1420.
 Tihon, C. 899.
 Tikhomirova-Sidorova, N.S. 3746.
 Tikhonok, T.I. 550, 1925, 2721, 3051, 4429, 4438, 4440, 4838, 4542, 4542, 5167.
 Tilghman, S.M. 1065, 1494, 3090, 3182, 5966.
 Tillyer, C.R. 6179.
 Timasheff, S.N. 2438.
 Timberlake, W.E. 2008, 5708.
 Timbury, M.C. 4006.
 Timchenko, A.A. 4553.
 Timkovsky, A.L. 3746.
 Timmis, J.N. 1567.
 Timmis, K. 1649, 3581, 5172.
 Timmis, K.M. 5894.
 Timmis, K.N. 4425, 5082.
 Timofeyev, V.P. 4980.
 Timopheev, A.V. 2456.
 Timson, J. 1813.
 Ting Shih, C.-Y. 5642.
 Tinoco, I., Jr. 2955, 4172.
 Tinsley, T.W. 4835, 5916.
 Tiollais, P. 6115.
 Tipton, C.D., 5278.
 Tischer, I. 5091.
 Tisdale, M. 5496.
 Tishchenko, L.I. 3301.
 Tislar-Lentulis, G. 494, 6038.

- Tissieres, A. 5759.
 Titov, E.V. 1821.
 Titov, Yu.B. 4525.
 Tizard, R. 4460.
 Tjerneld, F. 4954.
 Tjernshaugen, H. 2116.
 Tjian, R. 2347.
 Tkacz, A. 3172, 3544, 3545, 5941.
 Tkadlecek, L. 3597.
 Tlsty, T.D. 4499.
 Tobey, R.A. 2880, 3674.
 Tobias, R.S. 4154, 4156.
 Tobien, M. 2891.
 Tobita, K. 1959.
 Tocchini-Valentini, G.P. 3593.
 Todaro, G.J. 21, 938, 1400, 3678, 3805, 3848, 4091, 4350, 4930.
 Todd, P.A. 1014.
 Todd, R.D. 2886.
 Todorov, I.N. 5143.
 Toh, K. 5142.
 Toha, J.C. 1928.
 Tokarskaya, V.I. 302.
 Tokarskaya, O.N. 3452.
 Tokiwa, F. 3141.
 Tokui, A. 5945.
 Tolin, S.A. 5697.
 Tollefson, T.S. 3235.
 Tolmach, L.J. 2039.
 Tolstoshev, P. 522, 1772.
 Tom-Kun, J. 1185.
 Tomashevich, S.V. 4259.
 Tomasz, A. 1658, 3983.
 Tomasz, J. 5543.
 Tomasz, M. 1500, 1980.
 Tomaszewski, M. 4724.
 Tomi, H. 2834.
 Tomilin, N.V. 3266.
 Tomilin, N.V. 3327, 6223.
 Tomita, F. 2953, 2954.
 Tomizawa, J. 2858.
 Tomizawa, J. 3163, 3706.
 Tomoyeda, M. 5223, 6147.
 Tomszewski, J.E. 2319.
 Tonegawa, S. 2013, 4460, 4679.
 Toneguzzo, F. 5791.
 Tonew, E. 2930.
 Tonew, E.M. 3626.
 Tonew, M. 290.
 Tong, W.P. 2254.
 Tongier, M., Jr. 3120.
 Tonnesen, T. 3924.
 Tonotsuka, N. 3763.
 Topaloglou, A. 2326.
 Toranik, A.I. 5879.
 Torano, Y. 2085.
 Torbina, A.I. 6174.
 Torelli, U. 2517.
 Torii, K. 6146.
 Tornling, G. 2772.
 Torrance, J. 1161.
 Torrance, J.D. 580.
 Torreilles, J. 4720.
 Torrence, P.F. 158, 682, 1455, 2557, 2941, 4717, 5503.
 Tortorello, M.L. 2757.
 Tosi, C. 2964, 2965, 2966.
 Toth, K. 1388.
 Toto, P.D. 1628.
 Toulme, J.-J. 5528.
 Tourte, M. 2732.
 Tourtellotte, W.W. 352.
 Tourville, D.R. 4046.
 Tousignant, M.E. 3809, 4352, 5697.
 Toussaint, A. 3676.
 Towle, H.C. 2514.
 Towns, R.L.R. 1754.
 Townsend, L.B. 4595, 5463.
 Tra Dinh, S. 677.
 Traboulay, E.A. 4396.
 Trabuchet, G. 522.
 Trachsel, H. 2231, 2600, 4217.
 Traganos, F. 1477, 1478, 2020, 2894, 3425.
 Trager, W. 2948.
 Traket, I.N. 5302.
 Trakht, I.N. 2125, 4623.
 Traub, P. 1857, 2304, 3465, 3485, 4248, 4262, 4305, 4616, 4922, 5305.
 Traub, U. 3485, 4248, 4262, 5305.
 Traugh, J.A. 2229, 4236.
 Traut, R.R. 2233, 2598.
 Traut, W. 4062, 6300.
 Trautmann, J. 1621.
 Trautner, T.A. 1741, 5914.
 Travaglini, E.C. 2512.
 Travers, A.A. 6162.
 Travers, J.P. 4706.
 Traverso, R. 5380.
 Treloar, M.A. 766.
 Treloar, M.E. 766.
 Tremaine, J.H. 626.
 Trembath, M.K. 5634.
 Tremblay, G.C. 5501.
 Trent, C. 5772.
 Trentin, J.J. 437.
 Trescheva, N.D. 501.
 Tretevykh, V.I. 3860.
 Tretiakova, S.S. 5527.
 Tretjak, N.N. 4853.
 Treton, J.A. 276, 2692.
 Trevelyan, W.E. 4924.
 Triebel, H. 1507.
 Trieling, W.B. 2043.
 Trifonov, E. 4629.
 Trifonov, E.N. 2334.
 Trim, A.R. 2608, 4288.
 Trip, E.M. 3356, 3358.
 Tripath, S.S. 890.
 Triplett, J.W. 792, 5472.
 Triplett, R.B. 137.
 Tripp, E. 10.
 Triton, T.R. 214.
 Tritsch, G.L. 5285.
 Trnosky, J. 2313.
 Troll, W. 846, 1446, 2385.
 Tromm, D. 767.
 Tron, L. 1109.
 Tron'ko, N.D. 839.
 Tronchet, J.M.J. 86.
 Tronick, S.R. 5924, 6149.
 Trosch, W. 2140.
 Trotta, P.P. 2114, 6221.
 Trouet, A. 5160.
 Trowsdale, J. 6121.
 Troxler, D.H. 2241, 3802, 5778.
 Troyer, G.D. 1737.
 Trudel, M.J. 710.
 Truett, M.A. 1574.
 Truitt, C.D. 623.
 Trujillo, I. 2086.
 Trump, B.F. 906, 4962.
 Tsai, C. 707, 708, 903.
 Tsai, C.-C. 5882.
 Tsai, C.-H. 3503.
 Tsan, Y.-C. 548.
 Tsanev, R. 5318.
 Tsarvoulkova-Denkova, R. 4333.
 Tscherne, J.S. 4757.
 Tschernosemski, I. 5146.
 Tschesnokov, V.N. 5666.
 Tse, T.P.H. 5798.
 Tsen, H.-Y. 122.
 Tseng, B.Y. 812.
 Tseng, C.-C. 548.
 Tsibris, J.C.M. 380.
 Tsiftoglou, A.S. 5291.
 Tsigankov, A.P. 6082.
 Tsikarishvili, T.N. 870.
 Tsong, T.Y. 6144.
 Tsopanakis, C. 4677.
 Tsuboi, M. 693, 1913.
 Tsubota, Y. 2447.
 Tsuchiya, J. 5144.
 Tsuda, H. 3955.
 Tsuda, M. 2659.
 Tsuda, Y. 3412.
 Tsui, S. 4614.
 Tsujii, K. 3141.
 Tsukada, K. 545, 2081, 4001, 5226.
 Tsukada, M. 5413.
 Tsuruo, T. 2836.
 Tsutsui, K. 1721, 3217.
 Tsutsui, T. 3135, 4394.
 Tsutsui, Y. 3869.
 Tsutsumi, K. 1327.
 Tsybalenko, N.V. 3554.
 Tuan, D. 3303.
 Tuazon, F. 2130.
 Tucker, A.N. 2784.
 Tudor, M. 1608.
 Tudzynski, P. 4933.
 Tuhackova, Z. 3422.
 Tull, R. 3332.
 Tumanishvili, G.D. 1771.
 Tumanyan, V.G. 415, 920, 3510, 3874.
 Tung, A.S.-C. 406.
 Tung, M.S. 1986.
 Tupper, J.T. 4521.
 Tupy, J. 287, 288, 3371.
 Turano, C. 2885.
 Turchinsky, M.F. 221.
 Turco, E. 770.
 Turian, G. 295, 450, 1546.
 Turler, H. 1546.
 Turner, C.J. 5412, 5417.
 Turner, J.H. 5086.
 Turner, P. 237, 5069.
 Turnheim, K. 4146.
 Turnock, G. 1891.
 Turova, T.P. 5935.
 Turoverova, L.V. 3836, 5745, 6258.
 Turpin, P.Y. 4151.
 Turto, H. 1449.
 Tutas, D.J. 2113.
 Tuyns, A. 5062.
 Twardowski, T., 4204.
 Twu, J.S. 1159.
 Tyaglov, B.V. 3871.
 Tyaglov, B.V. 150.
 Tye, B.-K. 2159, 3950, 5101.
 Tyndall, C. 2380.
 Tyrsted, G. 577.
 Tyufanov, A.V. 3746.
 Tyulenev, V.I. 839.
 Tyurin, V.V. 3262, 5240.
 Tyurina, G.P. 2433.
 Ubelaker, M.H. 992.
 Uberti, J. 583.
 Uchic, J.T. 2150.
 Uchida, H. 6000, 6124.
 Uchida, K. 528.
 Uchida, T. 2427, 2428, 3614.
 Uchiyama, M. 5431.
 Uchiyama, T. 1710.
 Udell, D.S. 2647, 3078.
 Udvardy, A. 3826.
 Udvardy, J. 524.
 Udzhukhu, V.Yu. 1322.
 Ueda, K. 989, 1319, 3655, 5087.
 Ueda, M. 203, 1959.
 Uemura, E. 5658.
 Ugarova, T.Yu. 4914.
 Ugarte, A. 4713.
 Ughetto, G. 5847.
 Uhlenbeck, O.C. 1152, 3632, 3729, 3747, 6148.
 Uhlin, B.E. 4993, 5081.
 Uitendaal, M.P. 2109, 2850.
 Ullman, B. 1851.
 Ullmann, J. 3069.
 Ullrich, A. 372.
 Ullu, E. 6273.
 Ulmanen, I. 1228.
 Ulmer, E. 3770.
 Ulrich, H. 1968.
 Ulrich, V. 4066.
 Umansky, S.R. 302, 2574, 4624, 4949.
 Umansky, Yu.A. 2407.
 Umbarger, H.E. 2064, 2065, 2725.
 Umeda, M. 3135, 4394.
 Umeda, T. 481.
 Umene, K. 2411.
 Umezawa, H. 5854.
 Ungaritsov, I.M. 1798.
 Unge, G. 2772.
 Ungemach, F.R. 5506.
 Unger, E. 783, 2484.
 Ungewickell, E. 809, 1407, 1545, 5655.
 Unsgaard, G. 1630.
 Unwin, P.N.T. 205.
 Uozumi, T. 1695, 2789, 5831.
 Upcroft, J.A. 4534.
 Upcroft, P. 4534.
 Urano, M. 5114.
 Urata, Y. 6146.
 Uray, Z. 1003.
 Urbain, J. 399.
 Urbanke, C. 776, 4198, 5646.

- Urbanski, T. 49, 640.
 Urmonas, V.D. 4377.
 Urquhart, C. 3971.
 Uryvaev, L.V. 3913, 4437.
 Usatenko, M.S. 4212.
 Usmanov, T.A. 398.
 Ustav, M. 1376, 2595, 4796.
 Uyek, E.M. 680, 4145, 4149.
 Uyemura, D. 5259.
- Vachette, P. 3013.
 Vacquier, V.D. 1037.
 Vadi, H. 1501.
 Vagabova, L.M. 3547.
 Vagelos, P.R. 3110.
 Vagin, A.A. 1096.
 Vais, A.L. 645.
 Vajranabhaiah, S.N. 1431.
 Vakhitov, V.A. 1488, 5973.
 Vakhtin, Yu.B. 893.
 Vakhtina, L.I. 893.
 Vakulin, G.M. 3102.
 Val'kovsky, D.G. 2801.
 Valbuena, O. 3429, 4644.
 Valeev, V.A. 411, 3898, 4413.
 Valencia, R. 5051.
 Valentin-Hansen, P. 956, 3246, 5174.
 Valenzuela, P. 2359, 2728, 2729, 4014.
 Valeev, V.A. 4416, 5881.
 Valis, J.D. 937.
 Valter, Z. 2325.
 Vamvakopoulos, N.C. 1309.
 Van Agthoven, A. 3396.
 van Arkel, G.A. 4431.
 Van Assel, S. 2002.
 Van Belleghem, H. 1463.
 Van Beuningen, D. 5509.
 van Bogaert, L.-J. 1629, 3203.
- van Boom, J.H. 1792, 3357, 4797.
- Van Broeckhoven, C. 4160.
 Van Buskirk, J.J. 3776.
- van Dam, R.H. 2244, 3112.
 van de Putte, P. 2791.
 van de Sande, J.H. 5293.
 Van De Voorde, A. 3535, 3915, 4441, 4444, 4445, 4447, 5023, 5024.
- Van de Vorst, A. 917, 1827, 4957.
 Van De Walle, C. 1419.
 van Deemter, L. 4531.
 Van den Berg, F.M. 5827.
- Van Den Berg, H.W. 1025, 4123, 5437.
 van den Elsen, P. 5433.
 van den Elzen, P.J.M. 6092.
- van der Donk, A.J. 2244, 3112.
 van der Eb, A.J. 1642.
 Van Der Meulen, N. 1425.
- van der Molen, H.J. 282, 2889.
 van der Noen, H. 1844.
 Van Der Noordaa, J. 1055.
- Van Der Noordaa, J. 5013.
 van der Plas, H.C. 5416.
 van der Ploeg, M. 351.
 Van Der Schuren, G.P. 3884.
 van der Schuren, E. 1015.
 van der Sluys Veer, J. 3112.
 van der Vliet, P.C. 5355.
 van Dorp, B. 4472.
 Van Duuren, B.L. 3133, 4966.
 van Eckelen, C.A.G. 1799.
- van Embden, J.D.A. 3158, 4991, 5000, 6154.
- van Emmelo, J. 801, 3433, 5678.
 Van Etten, J.L. 2276, 3823.
 Van Heuverswyn, H. 3915.
 Van Helden, P. 2882.
 Van Herreweghe, J. 3535, 3915.
 van Heuvel, M. 4397.
 Van Heuverswyn, H. 3535, 4441, 4445, 4447.
 Van Holde, K.E. 1198, 2498.
 Van Houwe, G. 2057.
 Van Keulen, H. 1123.
 van Leeuwen, W.J. 6154.
 van Mansfeld, A.D.M. 4431.
 Van Ness, J. 261, 4804.
 van Nie, R. 4531.
 Van Niekerk, J.C. 2162.
 Van Ommen, G.-J.B. 963, 2626.
 van Ormondt, H. 2353, 3276.
 Van Parijs, R. 3558, 4381.
 Van Regenmortel, M.H.V. 2488, 2496.
 Van Reken, D.E. 2.
 Van Roy, F. 6003.
 van Scoyk, S. 5939.
 van Sluis, C.A. 2791.
 van Tassel, E. 5757.
 Van Telgen, H.-J. 4029.
- Van Venrooij, W.J. 1799, 5796.
 Van Vliet, F. 6128.
 Van Voorthuizen, F. 331, 1465.
 Van Voorthuizen, W.F. 2605.
 Van Vunakis, H. 2171.
 Van Zandt, L.L. 1523.
 Van, N.T. 224, 1927, 4607, 5237.
 Van't Hof, J. 1568, 3194.
 Vance, D.E. 2472.
 Vande Woude, G.F. 3168.
 Vandekerckhove, J. 198.
 Vanderkooi, J. 4174.
 Vangdal, E. 3785.
 Vanhatalo, A. 734.
 Vannier, F.S. 5128.
- Vanyushin, B.F. 935, 1054, 2051, 2928, 3586, 4523, 5911, 5971, 5972.
 Vapnek, D. 4861, 4999, 5956.
 Varga, S.V. 1427.
 Varamov, V.P. 2801, 4158.
 Varma, M.M. 4396.
- Varmus, H.E. 1402, 1482, 1556, 2242, 2258, 3569, 5917, 5932.
- Varricchio, F. 2126, 4746.
 Varrone, S. 1380.
 Varshavsky, A.J. 6275.
 Varshavsky, Y.M. 2185.
 Varshavsky, Ya.M. 419, 3513.
 Vasil'eva, S.V. 2689.
 Vasilchenko, V.N. 3903.
 Vasilenko, K. 1907.
 Vasilescu, D. 1518, 3352, 5873.
 Vasiliev, V.D. 2121.
 Vasquez, C. 6139.
 Vass, W.C., 4829.
 Vass, J.K. 4302.
 Vassart, G. 208, 331, 1465, 2605, 5639.
 Vasseur, J. 241.
 Vasu, S. 6135.
 Vatsis, K.P. 5856.
 Vaughan, M.R. 3512.
 Vaughan, S. 1217.
 Vaughn, J.C. 2009.
 Vaught, J.B. 3138.
 Vazquez, D. 773, 1374, 1375, 1906, 2204, 2223, 3023, 3769, 3782, 4245, 4799, 5628, 5632.
 Vedaldi, D., 340.
 Vedaldi, D. 2330.
 Vedel, F. 459.
 Vedel, M. 3377, 4707.
 Veeristetty, V. 2261.
 Vel'kov, V.V. 6100.
 Velcich, A. 4391, 5851.
 Veleminsky, J. 1692, 4502, 5204.
 Velicer, L.F. 3794, 3797.
 Velmoga, I.S. 5610.
 Veltkamp, E. 2922, 3158, 4991, 5000, 6092.
 Venegas, A. 2359, 2729, 4014.
 Venema, G. 1542, 2054, 2068, 2722.
 Venetianer, P., 3826.
 Venezia, R.A. 3583.
 Vengerov, Y.Y. 4630.
 Vengris, V.E. 4184.
 Venkatesan, N. 478, 489.
 Venker, P. 1732.
 Venkitasubramanian, T.A. 4571.
 Venkstern, T.V. 3, 731, 732, 2996.
 Venner, H. 6195.
 Vennstrom, B. 2617, 2643.
 Venton, D.L. 1136.
 Venturini, S. 1014, 4388.
 Verbeet, M.P. 2004, 2006.
 Verdier, G. 522.
 Verduin, B.J.M. 3482, 4601.
 Vergne, J. 5247.
 Verhaegen, H. 6211.
 Verheecke, G. 1629.
 Verheyden, J.P.H. 669.
 Verkhovskii, V.A. 6269.
 Verkin, B.I. 3903, 4424.
 Verlinskaya, D.K. 2402.
 Verly, W.G. 2442, 6130.
 Verma, I.M. 2103, 3806, 5923, 5982, 6149.
 Vermorken, F.J.M. 219.
 Verney, E. 750, 2206, 4794, 5622.
- Vernie, L.N. 4801.
 Verovsky, V.N. 2458.
 Vervoloot, D. 359.
 Verwaerde, C. 5623, 5650.
 Vesely, J. 1287.
 Vetterl, V. 3724, 3894, 4175, 5548.
 Vevers, A.Ya. 1274.
 Vezza, A.C. 3799.
 Viaje, A., 911.
 Viaje, A. 1020.
 Viarengo, A. 559, 3624.
 Viceps Madore, D. 2386.
 Victorova, L.S. 3780.
 Vidal Rioja, L.A. 1212.
 Vidali, G. 1185, 1191, 2884, 5303, 6238.
 Vieira, A. 1316.
 Viesture, Z.A., 1670.
 Vigestane, R.Ja. 3780.
 Vigevari, A. 90.
 Vigier, P. 3377, 4592.
 Vigne, R. 830, 2262.
 Vigny, P. 5859.
 Vikhanskaya, F.L. 1602.
 Vikhnovich, E.M. 6079.
 Vilklicka, S. 3597.
 Vilcek, J. 863, 5556.
 Villani, G. 4026, 6018.
 Villano, P.A. 121.
 Villard, D. 3669.
 Villee, C.A. 4109.
 Vilems, R. 1376, 2595, 4796, 5899, 6213.
 Vilems, R.L. 5713.
 Vilner, L.M. 3746.
 Vince, R. 4240.
 Vinetsky, Yu.P. 2681.
 Vining, L.C. 4725.
 Vinkele, R., 5775.
 Vinogradova, R.P. 178.
 Vinogradova, V.V. 5975.
 Vinokurov, L.M. 5610.
 Vinter, V.G. 4002.
 Vinuela, E. 3305, 3966.
 Viola-Magni, M.P. 5839.
 Viotti, A. 2995.
 Viratelle, O. 5261.
 Viron, A. 1753.
 Visentin, L.P. 760, 1903, 2215.
 Vishnevskaya, T.Y. 2487.
 Visioli, O. 2654.
 Visser, D.W. 4691.
 Viswanathan, L. 4571.
 Vitale-Neugebauer, A. 5380.
 Vithayathil, P.J. 2439, 2811.
 Viviani, A. 4960.
 Vladimirova, A.D. 3820.
 Vladimirtsev, I.F. 1821.
 Vladimirtseva, E.A. 292.
 Vlasjuk, P.A. 5070.
 Vlasjuk, V.A. 5580.
 Vlasova, T.F. 46.
 Vlassov, V.V. 2985.
 Vlassova, T.D., 5811.
 Vodolazskaya, N.A. 598.
 Vogel, A. 4518.
 Vogel, F.S. 5262.
 Vogel, T. 1652.
 Vogel, W. 5993.
 Vogeli, G. 5570.
 Vogl, B., 2578.

- Vogl, P.K. 254, 2518, 3851.
4278, 4356, 5364.
- Vogl, V.M. 980, 4667.
- Voiculetz, N. 1608.
- Vol'zhantsev, N.V. 5169.
- Volckeart, G. 151, 244, 3535, 5024.
- Vold, B.S. 4747.
- Volkel, N. 1621.
- Volkenstein, M.V. 3878, 3879.
- Volkov, S.N. 5048.
- Volkova, Z.I. 2673.
- Vollenweider, H.J. 3161.
- Vologodskii, A.V. 1529, 5897, 5905.
- Volpicelli, N.A. 4044.
- Vollterra, L. 2627.
- Volz, P.A. 3886.
- Vomacka, R.B. 2933.
- von Agthoven, A. 764.
- von der Haar, F. 1342, 2203, 4210, 5586.
- von Dippe, P.J. 4691.
- von Doheln, U. 1168.
- von Gabain, A. 2089.
- von Heijne, G. 1958.
- von Hippel, P.H. 627, 898, 1357, 4729, 5558.
- Von Holt, C. 2882.
- von Janta-Lipinski, M. 2939.
- von Mickwitz, C.-U. 4076, 4615, 4639.
- von Sonntag, C. 2323, 2693.
- von Tigerstrom, R.G. 1681.
- Vondra, K. 5659.
- Voordouw, G. 4631.
- Vorbrodt, A. 6181.
- Vorbruggen, H. 5452, 5475.
- Vorkunova, G.K. 4317.
- Vorkunova, N.K. 4317.
- Vorlickova, M. 400, 3137.
- Vorob'ev, V.I. 3469, 3836, 4074, 4083, 4606, 5745, 5948, 5985, 6258.
- Voronina, A.S. 4660.
- Voronova, L.A. 4369.
- Voronova, O.M. 1269.
- Vosberg, H.P. 1814.
- Voskobojnykova, T.N. 6071.
- Voskuyil-Holtkamp, I. 2437, 2803, 6134.
- Vosman, F. 724.
- Votavova, H. 4617, 6250.
- Votrin, I.I. 5289, 6157.
- Vouillemin, P. 6089.
- Vournakis, J.N. 791.
- Vovk, H.P. 236.
- Vovlas, C. 2621.
- Voyles, B.A. 5652.
- Voyushina, T.L. 2801.
- Vrebois, J. 1629.
- Vtiurin, N.N. 756.
- Vu, M.-L. 3479, 3480, 3481.
- Vugrincic, C. 3380.
- Vyskot, B. 4471.
- Wackernagel, W. 1644, 2787.
- Wada, A. 3164, 5857.
- Wada, Y. 4977.
- Wagner, E. 3107.
- Wagner, E.K. 4281.
- Wagner, K.G. 3897.
- Wagner, M.J. 5915.
- Wagner, R. 5568, 5655.
- Wagner, R.R. 2870, 3467.
- Wahba, A.J. 760, 1900.
- Wahl Synek, R. 5872.
- Wahl, P. 153.
- Wahli, W. 4846.
- Wahn, H.L. 2731.
- Wahnert, U. 6195.
- Wain, W.H. 479.
- Wainfan, E. 4757.
- Waiithe, W.I. 552.
- Wakabayashi, K. 3175.
- Wakabayashi, Y. 240.
- Wakaizumi, S. 72, 660.
- Wakasugi, H. 2447.
- Wake, R.G. 2741.
- Wakelin, L.P.G. 3890, 4956.
- Wakeling, W.F. 2840.
- Wakil, S.J. 1363.
- Wakita, M. 390.
- Wakizaka, A. 592.
- Waksman, B.H. 1010.
- Waldron, C. 2586.
- Walfield, A.M. 3563, 5967.
- Walicka, M. 1603, 5508.
- Walig, C. 5013.
- Walker, M.D. 542, 3964.
- Walker, E.J. 4554, 4555.
- Walker, G.W.R. 1815.
- Walker, I.G. 492, 1517.
- Walker, I.O. 601, 818, 3077, 3790, 6267.
- Walker, J.E. 4435.
- Walker, J.M. 2491, 4089, 5317.
- Walker, J.R. 2356, 2396.
- Walker, J.S. 5497.
- Walker, K.P. 4711.
- Walker, M.D. 1979.
- Walker, P.M.B. 5397.
- Walker, P.R. 1632, 6062.
- Walker, R.T. 2566, 5476.
- Wall, R. 1388, 3081.
- Wallace, B.J. 3400.
- Wallace, R.B. 1778, 2992, 3374.
- Wallace, S.S. 4147.
- Wallach, J. 6150.
- Waller, D. 2537.
- Wallwork, J.C. 1166, 1180.
- Walsh, K.A. 2208.
- Walsh, K.R. 243.
- Walsh, M.L. 4243.
- Walter, A. 3363.
- Walter, J.F. 3956.
- Walter, Z. 631, 4398.
- Walters, J.A.L.I. 1326.
- Walters, R.A. 2880.
- Walz, D.T. 2781.
- Walz, F.G., Jr. 1098.
- Wandzilak, T.M. 4018.
- Wang, B.S. 321, 2662.
- Wang, D. 2802.
- Wang, E.C. 2445.
- Wang, F.F.C. 2083.
- Wang, J.C. 1225, 2699, 4659, 6222.
- Wang, S.Y. 1932, 2525, 2926.
- Wang, T.-C. 4776.
- Wang, T.S. 4495.
- Wang, T.S.-F. 1727, 2099.
- Wang, T.Y. 2129, 5323.
- Wang, Y. 2938, 4130.
- Wangermann, G. 5621.
- Wani, A.A. 2317.
- Waqar, M.A. 4164.
- Wara, D.W. 1150.
- Ward, A.D. 4688.
- Ward, C. 2423.
- Ward, J.F. 3328, 4970.
- Ward, R.L. 3792.
- Wardell, W.L. 5161.
- Warden, J.T. 146.
- Ware, P. 5170.
- Waring, M.J. 3890, 4952, 4956.
- Waring, P. 1262, 5418.
- Warmke, H.E. 5162.
- Warner, H.R., 2159.
- Warner, A.H. 749.
- Warner, C.M. 1942.
- Warner, H.R. 1593, 2369, 6224.
- Warner, J.R. 753, 1905, 4890.
- Warner, R.C. 5907.
- Warnke, Z. 4155.
- Warrant, R.W. 2987.
- Warren, A.C. 4468.
- Warren, B. 2812.
- Warren, R.L. 3195, 3196, 4988.
- Warrington, R.C. 1953.
- Wartell, R.M. 4731.
- Warwick, P.E. 6205.
- Wasa, T. 4978.
- Waschke, K. 714, 4185.
- Waschke, S.-R. 714.
- Waschke, S.R. 4185.
- Wasiak, T. 5578.
- Wasmuth, J.J. 1145.
- Wassarman, P.M. 3663.
- Wasserman, M.S. 4110.
- Wasternack, C. 71.
- Wasylewska, E. 1088.
- Wasylewski, Z., 1088.
- Watanabe, A. 564, 574.
- Watanabe, F. 706.
- Watanabe, H. 2085, 5225.
- Watanabe, I. 3840.
- Watanabe, K.A. 1836, 3344, 4138, 4702.
- Watanabe, M. 1598, 2454.
- Watanabe, N. 4581.
- Watanabe, S. 3677.
- Watanabe, S.M. 2058.
- Watanabe, T. 6129.
- Watanabe, Y. 997.
- Waterborg, J.H. 1672.
- Waterfield, M.D. 2205.
- Waters, L.C. 22, 4740.
- Waterworth, H.E. 4352.
- Wathen, H.G. 5041.
- Watkins, J.B. 5213.
- Watson, C., 5196.
- Watson, A.A. 32.
- Watson, D.H. 11.
- Watson, J. 3949.
- Watson, J.V. 1943.
- Watson, K.F. 3631, 3764.
- Watson, N. 2810.
- Watson, R.J. 833.
- Watt Hazen, M. 6303.
- Watts, J.W. 2608.
- Watts, M.T. 4172.
- Waxman, S. 2951.
- Wayne, L.G. 370.
- Weaker, F.J. 5330.
- Weatherall, D.J. 5715.
- Weaver, S. 5090.
- Webb, J.V. 5109.
- Webb, T.E. 5784.
- Weber, A.L. 146.
- Weber, G. 2474.
- Weber, J. 941.
- Weber, K. 344, 1801.
- Weber, L.A. 4545, 4723.
- Weber, M. 1088.
- Weber, R. 4846.
- Webster, D. 1296.
- Webster, I. 500.
- Webster, P.D., III 2049, 2373.
- Webster, R.G. 3440.
- Weck, P.K. 3467.
- Wedner, H.J. 5996.
- Weeks, M.O. 3802, 4829.
- Wegman, M.N. 414.
- Wegnez, M. 273.
- Wehrli, W. 1115, 4579.
- Wei, C.-M. 284.
- Weichsel, M.E., Jr. 1004, 2118.
- Weichselbaum, R.R. 3214.
- Weidlen, J. 1261.
- Weidman, E.R. 1582.
- Weidner, H. 262.
- Weiel, J. 2237.
- Weigert, H.-D. 2390.
- Weigert, M. 4644.
- Weihe, A. 4615, 4639.
- Weil, J. 629.
- Weil, J.H. 2995.
- Weiler-Feilchenfeld, H. 36, 633.
- Weimann, B.J. 4583.
- Weinberg, Z. 3571.
- Weinberg, E. 4366, 5786.
- Weinberg, E.S. 616, 4855, 4856, 5058, 5709.
- Weinberg, F. 2359, 2729.
- Weinberg, R. 2303.
- Weinberger, V. 534.
- Weinblatt, A.C. 6294.
- Weiner, H.L. 6114.
- Weinmann, R. 3434.
- Weinstein, I.B. 908, 1973, 2968, 3501.
- Weinstock, L.M. 3332.
- Weinstock, R. 3550.
- Weintraub, H. 4628.
- Weintraub, H.M. 943.
- Weisbeek, P.J. 4431.
- Weisberg, R. 2678, 2708, 2709.
- Weisblum, B. 4840, 5055.
- Weischet, W.O. 2498.
- Weiser, I. 306.
- Weiser, J. 1947.
- Weislogel, P.O. 3499.
- Weiss, E. 596.
- Weiss, G.B. 526.
- Weiss, J. 4587.
- Weiss, M. 3550.
- Weiss, R. 2962.

- Weiss, S.R. 1402.
 Weissbach, A. 3570, 5398.
 Weissbach, H. 2589.
 Weissenbach, J. 1882, 4201.
 Weissman, S.M. 5029.
 Weissman, S.M. 2631, 5026, 5027, 5921, 5922.
 Weissmann, C. 2255, 3432, 4277, 4351.
 Weisz, H. 6061.
 Weisz, R. 3119.
 Wejksnora, P.J. 3648.
 Wejrowski, M.L. 2161.
 Wellauer, P.K. 5958.
 Welling, G.W. 5207, 5211.
 Wellman, A.M. 67, 4690.
 Wells, D.J. 557.
 Wells, R.D. 1698, 1992.
 Wells, R.E. 3818.
 Wellon, A.F. 142.
 Wenger, S.L. 5086.
 Wengler, G. 4680.
 Went, H.A. 3329.
 Wentworth, D.F. 1164.
 Wentzell, B.R. 383.
 Wenzel, J. 3016.
 Wenzel, M. 3016.
 Wenzler, H. 4915.
 Weppner, W.A. 3247.
 Werbin, H. 2859, 4111.
 Werel, W. 1479.
 Werner, D. 2754.
 Werner, F.-J. 1539.
 Werner, G. 5021.
 Wertheim, P. 5013.
 Wertheimer, A.M. 1144.
 Wertz, G.W. 3427.
 Wescott, S.L. 5387.
 Weser, U. 2462.
 Wesley, R.D. 4454.
 Wesolowski, M. 5866.
 West, C. 1161.
 West, K. 1468.
 Westergaard, O. 4506.
 Westhof, E. 105, 674, 1827, 5463.
 Westmoreland, D. 6012.
 Westphal, H. 804, 1229, 5020.
 Westphal, M. 6112.
 Wexler, A.J. 4122.
 Weyand-Durasevic, I. 725.
 Weymouth, L.A. 2023, 3628.
 Wheeler, K.T. 4495.
 Wheeler, T. 2205.
 Whelly, S. 5766.
 Whisler Shearer, R. 5736.
 White, A. 1158.
 White, A.M. 4509.
 White, B.N. 4750.
 White, C.N. 3486, 3488, 3744.
 White, F.G. 6085.
 White, J.C. 1830.
 White, J.G. 3942.
 White, J.L. 4887, 6185, 6186.
 Whiteley, H.R. 1916, 1994, 2302, 5245, 5913.
 Whiteway, M.S. 1492.
 Whitfield, P.R. 2259, 5071.
 Whitfield, J.F., 1632.
 Whitfield, J.F. 6062.
 Whitfield, S.M. 3761.
 Whitlock, J.P., Jr. 2012.
 Whitmire, R.E. 2978.
 Whitsed, H. 3587.
 Whittaker, D. 580.
 Whittaker, R. 4608.
 Whittaker, R.G. 1762.
 Whur, P. 3971.
 Wiche, G. 5362.
 Wickner, R.B. 2055, 5193.
 Wickramasinghe, S.N. 4340, 4515.
 Wickremasinghe, R.G. 4027.
 Wicks, W.D. 2238.
 Widera, G. 6123.
 Wiebers, J.L. 709, 2958.
 Wieder, R. 5629.
 Wiedmann, M. 3094.
 Wiegand, L. 3222.
 Wiegand, R.C. 2684, 2685, 2686, 6142.
 Wiegiers, K.J. 2869.
 Wiegiers, U. 1621.
 Wieland, S.J. 5363.
 Wienand, U. 4881.
 Wiener, D. 4265.
 Wiener, F. 2866.
 Wierenga, W. 4135.
 Wierzchowski, K.L. 27, 28, 29, 3880, 4562.
 Wieseahn, G. 4402.
 Wieslander, L. 6284.
 Wiessner, W. 2450.
 Wiewirowski, M. 3722, 4167.
 Wiggins, J.W. 1861.
 Wigler, M. 3987, 6117.
 Wijesinghe, W. 5719.
 Wilchek, M. 1688.
 Wilcox, B. 2773.
 Wilcox, G. 5179.
 Wilcsek, R.J. 3337.
 Wilczek, J. 3087.
 Wilczynska-Ciemiega, K. 3496.
 Wild, D.G. 4250.
 Wild, J. 2065.
 Wilders, I.T. 4801.
 Wildman, S.G. 195, 1489, 4541.
 Wildy, P. 3986.
 Wilhelm, B. 1522.
 Wilhelm, F.X. 2131, 3672, 4078.
 Wilhelm, J. 994, 4600.
 Wilhelm, J.M. 3408, 3409.
 Wilhelm, M.L. 2131, 3672, 4078.
 Wilkes, M.M. 1561.
 Wilkie, N.M. 833, 3912.
 Wilkins, B.M. 3232.
 Wilkinson, D.S. 4584.
 Wilkoff, L.J. 65.
 Will, M. 3999.
 Willetts, N. 5175.
 Willetts, N.S. 3330.
 Williams, B.G., 5166.
 Williams, A.L. 3761.
 Williams, B.G. 2000, 2062.
 Williams, B.R.G. 1385, 3745.
 Williams, D.C. 3971.
 Williams, D.R. 4829.
 Williams, H.P. 4143.
 Williams, J.A. 3157.
 Williams, J.C. 2474.
 Williams, J.F. 5661.
 Williams, J.L. 3960.
 Williams, J.R. 5830.
 Williams, K.R. 187, 188.
 Williams, L.S. 3761.
 Williams, R.C. 1110.
 Williams, R.C., Jr. 4044.
 Williams, R.E. 4231.
 Williams, R.H. 467.
 Williams, R.J.P. 3730, 4170.
 Williamson, D.H. 6025.
 Williamson, R. 522, 861, 1988, 4681.
 Williamson, V.M. 5242.
 Willick, G.E. 4231.
 Willis, D.B. 2577, 4868.
 Willis, R.C. 5279.
 Willmitzer, L. 3897.
 Willshaw, G.A. 2340.
 Wilson, A.C. 5211.
 Wilson, D.B. 5815.
 Wilson, F.E. 5957.
 Wilson, G. 537, 2802.
 Wilson, G.A. 1251, 1657.
 Wilson, G.G. 1069.
 Wilson, G.L. 4930.
 Wilson, H.R. 5465.
 Wilson, M. 941, 5716.
 Wilson, M.C. 2351.
 Wilson, R. 5967.
 Wilson, R.W. 1521, 4436.
 Wilson, S.H. 569, 5092.
 Wilson, T.M.A. 4269.
 Wilson, W.D. 4975.
 Wimmer, E. 1245.
 Winick, M. 530, 872, 2280, 5767.
 Winicov, I. 283.
 Winkle, S.A. 2955.
 Winkler, U. 1950.
 Winocour, E. 189, 1652, 2575, 5918.
 Winston, V.D. 5360.
 Winter, C.E. 3992.
 Winter, G.P. 183, 2202.
 Wintermeyer, W. 4199.
 Wintersberger, E. 568, 4575.
 Wintersberger, U. 568.
 Winther, M. 3585.
 Wintzerith, M. 4719, 5731.
 Winward, R.T. 5343.
 Wise, D.S. 675.
 Wiseman, R.L. 1534.
 Wishnia, A. 1368.
 Withear, S.H. 1682.
 Withers, H.R. 1487.
 Witiak, D.T. 5119.
 Witkin, S.S. 2020.
 Witkowski, W. 714, 4185.
 Witt, L.L. 4595.
 Wittek, R. 1535.
 Wittmann-Liebold, B. 1356, 198, 199, 201, 1354, 1359, 5607, 5616.
 Wittmann, H.G. 23, 1898, 2214, 2584, 3393, 5607.
 Wittmann, W. 1732.
 Witty, T.R. 5273, 5278.
 Witz, J. 806, 5700.
 Wiygul, G. 2398.
 Włodarczyk, M. 5349.
 Wobus, U. 2363.
 Wodak, S.Y. 2553.
 Woese, C.R., 260.
 Woese, 260.
 Woese, C.R. 794.
 Wogan, G.N. 2561, 4400.
 Wojciorowski, J. 4161.
 Wojcik, S.J. 1256.
 Wold, B.J. 336.
 Wold, W.S.M. 1578, 4373.
 Woldhuis, J. 4397.
 Wolf, H. 2234, 5646.
 Wolf, R.L. 3587.
 Wolf, S. 2281.
 Wolf, S.M. 5495.
 Wolfe, R.S. 260.
 Wolfenden, R. 1164.
 Wolff, S. 5869.
 Wolfson, V.G. 5947.
 Wollenzien, P. 1485.
 Wollenzien, P.L. 3449.
 Wollgiehn, R. 4342.
 Wolochow, H. 975.
 Wolska-Mitaszka, B. 3698.
 Wolska, K.J. 2339, 3517, 4450.
 Wolstenholme, D.R. 3181.
 Wolterschorf, M. 1234.
 Woltersom, J.A. 4135.
 Womack, J.E. 1983, 5832.
 Womble, D.D. 3195, 3196, 3324, 4988.
 Wong, F.H. 5909.
 Wong, K.-P. 3394, 5613.
 Wong, M.L. 48.
 Wong, N.C.W. 600.
 Wong, P.C.P. 4695.
 Woo, P.W.K. 5443.
 Woo, S.L.C. 1493, 1927, 5962.
 Wood, W.G. 5715.
 Wood, W.M. 4578.
 Woodhead, A.D. 2697.
 Woodruff, R.K. 2100.
 Woods, D.E. 5656.
 Woods, D.R. 1066.
 Woods, P.S. 1708.
 Woodward-Jack, J. 4741.
 Wooley, J.C. 6281.
 Wooley, C. 5444.
 Worcel, A. 613, 5047, 6265.
 Worcester, D.L. 6281.
 Worgul, B.V. 4935.
 Worofka, R. 4311.
 Wosnick, M.A. 4750.
 Wouters, J. 6140.
 Wouters, M. 746.
 Wozney, J.M. 245.
 Wratten, N. 1953.
 Wray, G.R. 722.
 Wray, J.L. 5585.
 Wray, V.P. 6291.
 Wray, W. 6278, 6291.
 Wrede, A. 209.
 Wrede, P. 3445.
 Wreschner, D. 4246.
 Wright, A. 2093.
 Wright, E.D. 3971.
 Wright, G.E. 59, 2504.
 Wright, J.A. 2189, 2190, 3280.
 Wrobel, B. 6237.
 Wu, A.M. 1141.
 Wu, C.-W. 2822, 4011, 6172.
 Wu, F.Y.-H. 1114, 2822.

- Wu, G. 4865.
Wu, H.-L. 2641.
Wu, J.-R. 1560, 1561, 2892, 5183, 5184.
Wu, J.M. 694, 5602.
Wu, K.C. 3130.
Wu, R. 1067, 1811, 4728, 5925, 6093.
Wu, T.T. 6091.
Wubker, W. 384.
Wulf, E. 1711.
Wulff, D.L., 4528.
Wurtz, E. 1850.
Wustenfeld, P. 5426.
Wyatt, P.J. 5444.
Wyatt, R.G. 4832.
Wyckoff, H.W. 2553.
Wyler, R. 1535.
Wyler, T. 4846.
Wyllie, A.H. 5383.
Wynne, L.R. 1456.
Wyns, L. 6239.
Wyrobek, A.J. 1178.
Wyrzykiewicz, E. 61, 656.
Wyssmann, A.-M. 3591.
- Yablonka, Z. 1473.
Yabuki, H. 1767.
Yachmenev, V.V. 3549.
Yadav, M.P. 2667.
Yaffe, B.M. 2649.
Yaffe, D. 1473.
Yaffe, L. 1475, 3108.
Yaffe, P. 3970.
Yagi, H. 4963.
Yagi, Y. 3905.
Yagiu, M. 4907.
Yaguchi, M. 2584, 3393.
Yakhin, I.A. 1488.
Yakobson, G.S. 3102.
Yakobson, E. 189.
Yakolev, G.I. 6143.
Yakovlev, G.I. 3609.
Yakovleva, G.E. 1430.
Yakubov, L.Z. 1990, 1991, 5001.
Yakura, K. 5080.
Yakuwa, N. 4610.
Yamada, A. 2969.
Yamada, H. 25.
Yamada, K. 3364.
Yamada, M. 3570, 4643.
Yamada, T. 5627.
Yamada, Y. 50, 1331, 6078.
Yamagami, S. 1002, 6064.
Yamagishi, H. 2707, 5896.
Yamaguchi-Koll, U. 2869.
Yamaguchi, H. 6191.
Yamaguchi, K. 4682.
Yamaguchi, M. 3621.
Yamaguchi, R. 5531.
Yamaji, A. 1525.
Yamamori, T. 2092.
Yamamoto, H. 2318, 6161.
Yamamoto, K. 99.
Yamamoto, K.R. 5917, 5932, 6015.
Yamamoto, M. 825, 2201, 2271, 2771, 2888, 5139.
Yamamoto, O. 2321.
Yamamoto, R. 3833.
Yamamoto, T. 797, 1569, 1651, 2368, 5074.
Yamamoto, T.K. 2753.
Yamamura, Y. 2771, 5139.
Yamana, K. 326, 3092, 5729, 5762.
Yamanaka, H. 644.
Yamanaka, M. 2815, 6141.
Yamanaka, S. 4162.
Yamane, Y. 2388.
Yamanishi, K. 6020.
Yamaoka, H. 716.
Yamaoka, K. 905.
Yamasaki, H. 1973, 3501.
Yamashita, T. 2836, 3231.
Yamauchi, K. 2929.
Yamaura, I. 6208.
Yamazaki, H. 3021.
Yamazaki, I. 3282.
Yamazaki, T. 1280.
Yampol, G.P. 2900.
Yanagi, K. 841, 1070, 1619.
Yanagihara, T. 2135.
Yanai, R. 480.
Yang, C.S. 2691.
Yang, D.C.H. 3379.
Yang, D.M. 4271.
Yang, N.C. 5864.
Yang, R.C.A. 5925.
Yang, S.K. 5856.
Yang, W.K. 3985, 4271.
Yangol, L.M. 6137.
Yanishevsky, R.M. 6070.
Yaniv, A. 5653.
Yaniv, M. 1756, 1791.
Yankovsky, N.K. 6106.
Yannarell, A. 5784.
Yano, J. 139.
Yano, S. 1072, 1073, 1847.
Yano, T. 5348.
Yanofsky, C. 1337, 1955, 5036, 5037, 5038, 5039, 6167.
Yanson, I.K. 3899.
Yansone, I.V. 3580.
Yansura, D.G. 6119.
Yao, M.-C. 1075.
Yao, T. 4978.
Yap, S.H. 1462, 1922, 5665.
Yarbro, J.W. 6057.
Yarbrough, C. 530.
Yarmolinskaya, E.V. 3719.
Yaron, I. 1315.
Yaron, M. 1315.
Yarosh, D.B. 3885.
Yaroslavtseva, N.G. 3430.
Yartseva, I.V. 672, 5448.
Yasmin, W.G. 2470.
Yasnetskaya, S.M. 3719.
Yasuda, S. 1997.
Yasuda, T. 1275, 5743.
Yasuda, Y. 326.
Yasunaga, T. 4526.
Yatagai, K. 907.
Yatcoff, R.W. 1517, 5560.
Yau, P.M.P. 4803.
Yavich, M.P. 5764.
Yazaki, K. 257.
Yegorov, I.A. 2391.
Yeh, Y.-C. 4040, 5183, 5184, 6228.
Yehle, C.O. 6312.
Yen, P.H. 3490.
- Yenofsky, R.L. 595.
Yeoh, G.C.T. 4021.
Yeoman, L.C. 5357.
Yermolayeva, N.V. 598.
Yesian, H. 2562, 4195.
Yesyacova, I. 5775.
Yew, F.-H. 6034.
Yielding, K.L. 4500, 6028.
Yin, F.H. 829.
Yoakum, G.H. 1587.
Yochem, J. 6000.
Yoffey, J.M. 2780, 3970.
Yogo, Y. 1401.
Yokogawa, K. 658.
Yokoiyama, A. 1030.
Yokota, H.A. 5311.
Yokota, T. 2368, 3402.
Yonath, A. 168.
Yoneda, F. 1259.
Yoneda, M. 1687.
Yonekawa, H. 5064.
Yoo, T.J. 1845.
Yoshida, H. 3743.
Yoshida, M. 4249.
Yoshihara, H. 1321.
Yoshihara, K. 1321.
Yoshikawa, H. 4682.
Yoshikawa, K. 2414.
Yoshikawa, M. 2436.
Yoshimura, H. 2320.
Yoshimura, N. 4442.
Yoshinaga, K. 277.
Yoshinaga, M. 1626, 5149.
Yoshino, H. 527, 528, 581.
Yoshino, S. 5104, 5106.
Young, B.R. 5519.
Young, B.S. 2093.
Young, D.B. 4586.
Young, E.M. 4365.
Young, E.T. 5672, 5733.
Young, F.E. 1657, 1660.
Young, H.A. 3049.
Young, H.W. 5497.
Young, L.S. 3646.
Young, M.A. 1313.
Young, P.G. 3065.
Young, R. 4513.
Young, R.J. 4708, 4859.
Young, T.W. 4907.
Younghusband, H.B. 2380.
Youngs, D.A. 1015.
Youssefeyeh, R. 669.
Youvan, D.C. 3449.
Ysebaert, M. 3535, 3915, 4441.
Yu, C. 4121.
Yu, P.L. 736.
Yu, S.-H. 3124.
Yu, S.S. 1763.
Yuan, R. 6159.
Yue, V.T. 177.
Yuki, H. 1525.
Yukioka, M. 4636.
Yuodka, B. 700.
Yura, T. 2092.
Yurina, N.P. 4787.
Yurkevich, A.M., 5288.
Yurkevich, A.M. 2168.
Yurov, Y.B. 468.
Yuspa, S.H., 2777.
Yuspa, S.H. 908, 1038.
Yuyama, S. 5214.
- Zabala Suarez, J.E., 6302.
Zabalski, J. 5171.
- Zabojkina, T.N. 266, 371.
- Zaccara, A. 5851.
Zachau, H.G. 599, 2997, 2998, 4199, 5835, 6240, 6245.
Zachowski, A. 2141.
Zadavec, Gy. 2738.
Zagorska, L. 209.
Zagorski, W. 4336.
Zagrebelny, S.N., 3719.
Zagrebelny, S.N. 3619, 6174.
Zagulyaeva, O.A. 3336.
Zaharia, C.N. 787.
Zahn, R.F.K. 2112.
Zahn, R.K. 18, 24, 79, 2519, 2936, 3258, 4925, 5216, 5483.
Zaichikov, E.F. 5836.
Zain, B.S. 1693, 3534, 5029, 5921, 5922.
Zaitlin, M. 807, 5696, 6183.
Zaitsev, I.Z. 2821.
Zaitseva, G.N. 2828, 5949.
Zakharans, V.Y. 1833.
Zakharans, V.Ya. 80, 81.
Zakharenko, V.I. 952.
Zakharian, R.A. 3153.
Zakhariova, L.G. 6207.
Zakhariova, N.V. 5244.
Zakharyan, R.A. 5127.
Zakhidov, S.T. 6244.
Zaki, Z. 901.
Zakirova, R.O. 893.
Zakrzhevskaya, D.T. 2042.
Zakstelskaya, L.Ya. 4049.
Zaldivar, J. 4014.
Zaldivar, N.M. 2863.
Zalenskaya, I.A. 1206.
Zalensky, A.O. 4606.
Zalkin, H. 623.
Zalmanzon, E.S. 2644, 3831.
Zalta, J.-P. 1196, 3557.
Zaludova, R. 3724.
Zama, M. 377.
Zamansky, G.B. 4645, 5108.
Zamb, T.J. 1213.
Zamecnik, P.C. 2194, 2195, 2947.
Zamskov, M.V. 4927.
Zanker, K.S. 2845.
Zannis, V. 4585.
Zanussi, C. 589.
Zappia, V. 4038.
Zapryanov, Z. 498.
Zardi, L. 1594.
Zarudnaya, M. 1111.
Zarytova, V.F. 704, 1311, 3719, 4166, 5542.
Zasedatelev, A. 3874.
Zaslott, M. 4939.
Zasukhina, G.D. 1614.
Zavgorodny, S.G. 3780.
Zavilgelsky, G.B. 1495, 3207, 6022.
Zavizion, B.A. 550, 4440, 4542.
Zavriev, S.K. 3867.
Zbell, B. 2253.
Zbinden, G. 6030.

- Zbiral, E. 3717.
 Zbrzezna, V.J. 4332.
 Zbytniewski, Z. 5816.
 Zechel, K. 344, 1117.
 Zedeck, M.S. 5861.
 Zee-Cheng, R.K.Y. 173.
 Zehner, Z.E. 1363.
 Zeichner, M. 3087, 5664.
 Zeigel, R.F. 4714.
 Zel'tser, I.E. 1301.
 Zelenin, A.V. 610, 1252, 2451, 3234.
 Zelenina, I.A. 2288.
 Zelinka, J. 2313.
 Zellmer, D.M. 3926.
 Zemell, R. 4675.
 Zemla, J. 3948.
 Zemlicka, J. 1874, 4699.
 Zemskov, V.M. 3099.
 Zengel, J. 2001.
 Zentgraf, H. 3240, 6011, 6261.
 Zenzes, M.T. 1082.
 Zerial, A. 6194.
 Zerov, Yu.P. 5763.
 Zertuche, H.F. 5500.
 Zetsche, K. 2277.
 Zetterberg, A. 5820.
 Zeuthen, J. 6286.
 Zhdan, Pushkina, S.M. 3295.
 Zhdanov, V.M. 3913, 4437.
 Zhenodarova, S.M. 689, 164, 165, 3751.
 Zherbin, E.A. 2865.
 Zhestyanikov, V.D. 1602.
 Zhevalyukova, L.I. 1951.
 Zhilinskaya, I.N. 4267.
 Zhizhina, G.P., 1504.
 Zhizhina, G.P. 1566.
 Zhuk, R.A. 1819.
 Zhukov-Verezhnikov, N.N. 1106.
 Zhurkin, V.B. 3889.
 Zhuze, A. 3874.
 Zhuze, A.L. 5877.
 Zieve, F.J. 2399.
 Zieve, L. 2399.
 Ziff, E. 941, 3437.
 Zil'ber, M.L. 5603.
 Zilberstein, A. 4346.
 Zimbrick, J.D. 1506.
 Zimina, M.S. 1991.
 Zimmer, C. 3874, 4393, 4408.
 Zimmerman, A.M. 1733.
 Zimmerman, J. 1444, 4290.
 Zimmerman, S.B. 1862.
 Zimmerman, V.G. 2897.
 Zimmermann, F.K. 5191.
 Zimmermann, H.-P. 2477.
 Zimmermann, J. 5704.
 Zimmermann, R.A. 4291, 4292, 4293, 5609.
 Zinder, N.D. 431, 5944.
 Zingsheim, H.P. 1801.
 Zipser, D. 2059, 3906.
 Zirne, R.A. 1775.
 Zirwer, D. 4074.
 Zitomer, R.S. 4916.
 Zivin, R. 6169.
 Zlatkov, N.B. 5146.
 Zlochevskij, M. 6313.
 Zlochevsky, M.L. 1490.
 Zograf, Y.N. 2821.
 Zolan, M. 608.
 Zolg, J.W. 5835.
 Zollinger, M. 379.
 Zollner, E.J. 3258.
 Zollner, N. 2155.
 Zolock, D. 5750.
 Zolock, D.T. 6173.
 Zolotarskaya, E.E. 3914, 4438, 4542, 6079.
 Zoncheddu, A. 559, 3624.
 Zook, D.E. 2590.
 Zor, U. 1315.
 Zornio, F. 4521.
 Zotova, R.N. 4624.
 Zotter, S. 805.
 Zouzias, D. 519, 841, 3855.
 Zryd, M.-J. 2864.
 Zubke, W. 1898.
 Zubkova, S.M. 6260.
 Zubroff, J. 2030.
 Zuccaro, G. 5668.
 Zuchowski-Berg, C.I. 1664.
 Zuchowski, C.I. 966.
 Zueva, N.Ya. 2433.
 Zuidema, D. 5827.
 Zulauf, E. 2250.
 Zunino, F. 4182, 4391, 5851.
 zur Hausen, H. 1537, 5021.
 Zurkowski, W. 986.
 Zusman, D.R. 2497, 2711.
 Zvenigorodsky, V.I. 4434.
 Zwieb, C. 4781.
 Zylber, J. 5462.

Subject Index

- A-type particle**,
associated, RNA DNA, relationship-mammary tumour virus
RNA 805.
- DNA**, sequence comparison-*Mus musculus* / *Mus cervicolor*
genome 972.
- A-type virus (murine)**,
RNA translation, cell-free system 4911.
- Abrin**,
effect on peptide chain initiation, wheat germ cell-free system
228.
- Abscisic acid**,
inhibition-RNA biosynthesis, *Coccus nucifera*, effect of
indole acetic acid 840.
- Acanthamoeba castellanii***,
trophozoite, RNA polymerase I, structure/activity,
comparison-cyst 6178.
- Acetabularia***,
tobacco mosaic virus RNA replication/protein biosynthesis
4774.
- Acetabularia dentata***,
rRNA maturation, comparison-*Acetabularia mediterranea* /
Acetabularia major 784.
- Acetabularia exigua***,
rRNA gene polarity 3926.
- Acetabularia major***,
rRNA maturation, comparison-*Acetabularia mediterranea* /
Acetabularia dentata 784.
- Acetabularia mediterranea***,
DNA/rRNA gene precursor content 4375.
RNA biosynthesis 2277.
rRNA maturation, comparison-*Acetabularia major* /
Acetabularia dentata 784.
- Acetic acid**,
denaturation-DNA, use-in situ hybridization 360.
effect on ribosome activity/structure, *Escherichia coli* 2223.
- Acetohydroxy acid synthase**,
isoenzyme biosynthesis, regulation, role-tRNA (valyl),
Escherichia coli 4755.
- Acetone**,
effect on RNA biosynthesis/protein biosynthesis, *Phaseolus*
vulgaris 1452.
treatment, *Tetrahymena pyriformis*, effect on ribosome
activity 3022.
- N-Acetoxy-N-4-acetylaminobiphenyl**,
interaction-DNA 396.
- N-Acetoxy-2-acetylaminofluorene**,
adduct formation-polydeoxyribonucleotide 149.
combination-UV-irradiation, induced DNA repair, hamster
V-79 cell, comparison-human fibroblast 2041.
DNA adduct, detection, radioimmunoassay 908.
DNA single-stranded breakage, human lymphoid cell,
detection 395.
effect on DNA repair, xeroderma pigmentosum cell culture
483.
effect on DNA repair, xeroderma pigmentosum 4498.
effect on DNA repair kinetics, human fibroblasts 1023.
- effects on DNA repair synthesis distribution, chromatin,
human fibroblasts 627.
modified DNA antibodies, purification/properties 580.
- 2-Acetoxytetrahydrofuran**,
use-pyrimidine 1-(tetrahydrofuryl-2) derivative synthesis
1819.
- N-Acetyl-2-aminofluorene**,
interaction-DNA, effect of conformation 1973.
- Acheta domesticus***,
accessory gland, separation-ribonucleoprotein(messenger),
use-streptomycin 595.
- Achlya***,
nucleoside transport/RNA biosynthesis, regulation 4307.
- Achlya ambisexualis***,
poly (A)-containing RNA, diversity/abundance 5708.
- Achlya bisexualis***,
DNA sequence organization 2008.
- Acholeplasma***,
rRNA electrophoresis, comparison-*Mycoplasma* /bacteria
808.
- Acholeplasma laidlawii***,
mycoplasma virus MVL51 protein biosynthesis 5597.
- Acid protease**,
evolution, gene duplication 3979.
- Acridine**,
binding-*Saccharomyces cerevisiae* DNA 2316.
dimer, intercalation-phage PM2 DNA, electron microscopy
3526.
DNA complex, flow dichroism/flow polarized fluorescence/
viscosity 390.
interaction-DNA, review 9, 2149.
mustard, ICR 191, effect on DNA repair, *Rana pipiens* /
human cell 2386.
- Acridine orange**,
binding-DNA, fluorescence properties 387.
binding-DNA, regenerating guinea pig liver 2451.
complex-DNA, physical properties 3877.
DNA/RNA staining 1478.
DNA staining, during mitosis, effect of pH 1477.
effect on brome mosaic virus RNA biosynthesis in vitro 850.
effect on deoxyribonucleoprotein/DNA fluorescence/
polarization 6234.
interaction-*Escherichia coli* DNA, plasmid F'-lac
elimination 4392.
photodegradation-DNA, kinetics 391.
staining-sheep pox virus DNA, sheep thyroid 353.
- Acriflavine**,
Feulgen method, modification-DNA assay 346.
- Acrylamide**,
copolymerization-uracil (1-vinyl)/adenine (1-vinyl) 5422.
- Acrylamide gel**,
use-DNA nucleotide sequence determination 4418.
- Acrylic acid**,
copolymerization-uracil (1-vinyl)/adenine (1-vinyl) 5422.
- ACTH**,
effect on DNA biosynthesis, adrenocortical tumour cell 1583.
effect on DNA biosynthesis, mouse adrenal gland tumour
cell 1582.
effect on DNA biosynthesis/RNA biosynthesis, rat brain,
during development 5098.
mRNA, translation, cell-free system, characterization-protein
2306.
- Actin**,
human erythrocyte, inhibition-DNase I 2817.
interaction-DNA 4950.
- α -Actin**,
mRNA, characterization 811.

- β -Actin**, mRNA, characterization 811.
- γ -Actin**, mRNA, characterization 811.
- Actinomyces**, RNase, purification/properties 1676.
RNase, substrate specificity 2434.
- Actinomycin**, complex-DNA, circular dichroism 3878, 3879.
interaction-DNA 3875.
- Actinomycin D**, binding-chromatin, effect of nuclear extract 1771.
binding-DNA, protection-restriction endonuclease cleavage, use-mapping 1499.
binding-DNA, regenerating guinea pig liver 2451.
binding-*Haemaphysalis katherinae* chromosome, effect on histone isolation 2138.
binding-histone H1 + DNA complex, model nucleoprotein 6250.
2 deamino derivative, interaction-DNA 5844.
DNA complex, cytosolic activity, Ehrlich ascites cell 3598.
effect on nucleolar ribonucleoprotein distribution, Novikoff hepatoma 4051.
effect on rat liver nuclear ribonucleoprotein 596.
effect on RNA biosynthesis, cell culture 3475.
effect on RNA biosynthesis, normal/malignant rat liver 844.
effect on RNA biosynthesis/protein biosynthesis, *Tetrahymena pyriformis* 2651.
inhibition-mRNA transcription, use-determination-rRNA transcription role 3474.
interaction-DNA, effect of thermal neutrons 2315.
interaction-DNA, mouse erythroleukaemia cell, induction-differentiation 5840.
interaction-DNA-histone H1/polypeptide complex 4617.
resistant, RNA, origin, *Aedes albopictus* 4257.
- Adenine**, + cytosine-containing polynucleotide, interaction-peptide, circular dichroism 3742.
adsorption-solution/mercury electrode interface 3700.
alkylated derivative, amino group acidity 638.
N⁶-amino methylation, polynucleotide, effect on stability 4729.
binding-monovalent anion 38.
chemistry, review 1230.
complex-platinum/palladium, IR-spectroscopy 635.
containing, ribonucleotide, interaction-2-propanol 5537.
derivative, interaction-carboxylic acid 2522.
derivative, interaction-uracil 636.
distribution/metabolism, review 1231.
effect of ultrasound 42.
effect on ATP content, *glycine max* axes 4684.
effect on ethionine inhibition-RNA biosynthesis, mouse liver 1447.
effect on growth/urine volume/kidney weight, rat 3709.
erythro-9-(2,3,4-trihydroxybutyl) derivatives, synthesis 17.
ethylation-triethyl phosphate 2929.
excited singlet/triplet state 33.
exogenous, effect on ATP content, *Glycine max* 1267.
incorporation, rat/mouse liver RNA, inhibition-chloroquine/primaquine/ethidium 3575.
interaction-flavin 1828.
interaction-water, potential 1260.
methylated, incorporation-polynucleotide, *Escherichia coli* DNA polymerase I, rate/frequency 5558.
polarographic behaviour 3701.
polarographic reduction, role-adsorption 3699.
pulse-polarographic wave height, effect of initial potential 3894.
stimulation-uridine uptake, mammalian cell culture 657.
9-substituted, synthesis 3332.
transport, *Escherichia coli* 2156.
transport, *Escherichia coli*, energy coupling mechanism 4691.
transport, *Neurospora crassa* 67.
uptake rate-*Saccharomyces cerevisiae*, during cell cycle 66.
xylofuranosyl derivative, synthesis 3714.
- Adenine (1-Alkyl)**, amino-imino tautomerism 2521.
- Adenine (amino)**, identification-cyanophage S-2L DNA 935.
- Adenine (aminodeoxyxylofuranosyl)**, (3'-methylamino-3'-deoxy)-adenosine5'-phosphorimidazolid, reaction effect of poly(U) 87.
- Adenine (azidobenzyl)**, synthesis/biological properties 1268.
- Adenine (benzyl)**, effect on 5'(3')-ribonucleotide phosphohydrolase activity, Chinese cabbage leaf 1256.
- Adenine (carboxyethyl)**, formation, β -propiolactone binding-calf thymus/mouse liver DNA 1503.
- Adenine (9-(ω -Chloroalkyl))**, complex-poly (4-vinylpyridine), interaction-nucleotide 4113.
- Adenine (9-(2-Chloroethyl))**, complex-poly (4-vinylpyridine), interaction-nucleotide 4113.
- Adenine (9-(6-Deoxyhexofuranosyl) nucleoside)**, synthesis 3342.
- Adenine (1,N⁶-Dialkyl)**, amino-imino tautomerism 2521.
- Adenine (dihydroxy)**, *Alcaligenes aquamarinus*, inhibition-rat liver/milk xanthine oxidase 658.
- Adenine ((5)-9-(2,3-dihydroxypropyl))**, nucleoside analogue, antiviral activity 4705.
- Adenine (dimethyl)**, dielectric studies 1283.
- Adenine (9-ethyl)**, proton exchange, uracil (1-cyclohexyl-5-bromo) 1816.
- Adenine (furfuryl)**, incorporation-*Nicotiana tabacum* callus rRNA/tRNA 659.
- Adenine (hydroxy)**, synthesis 32.
- Adenine (methyl)**, antiviral activity, Rous sarcoma virus/mumps virus/vaccinia virus replication, chick embryo cell 1269.
- Adenine (6-Methyl)**, role-mutation avoidance, *Escherichia coli* mutant (dam) 5433.
- Adenine (7-methyl-8-aza)**, circular dichroism 633.
- Adenine (8-methyl-8-aza)**, circular dichroism 633.
- Adenine (9-methyl-8-aza)**, circular dichroism 633.
- Adenine (1-Vinyl)**, copolymerization-acrylic acid/methylacrylic acid/acrylamide/1-vinylpyrrolidone 5422.
- Adenine (9- β -D-xylofuranosyl)**, methylated derivative, NMR 3346.
- ϵ -Adenine**, photophysical properties 34.
- Adenine arabinoside**, analogue, antiviral activity, relationship-structure 5486.
antiviral activity, effect of adenosine (deoxy) 5490.

Adenine arabinoside, (continued)

antiviral activity, effect of adenosine deaminase inhibitor 5485.
 antiviral activity, relationship-adenosine deaminase inhibition 5482.
 antiviral agent 5491.
 antiviral agent, herpes simplex virus 5484.
 chromatography (high-performance liquid) 2534.
 conformation, role-activity 69.
 effect on Epstein-Barr virus-infected lymphocyte 5480.
 herpes simplex virus keratitis treatment 4710.
 inhibition-DNA biosynthesis, herpes simplex virus 1 5483.
 interaction-phosphorus oxychloride 2150.
 isolation 5443.
 preparation, use-ribose 4698.
 synthesis 84.
 toxicity 5487.
 toxicity, in vivo 5481.
 treatment, hepatitis virus B infection, human 4144.
 treatment, herpes simplex virus genital tract infection 2537.
 treatment, use-experimental herpes simplex virus 2 infection 1299.
 treatment-herpes simplex virus encephalitis 3340.
 treatment-herpes simplex virus eye infection 4142, 4143.
 treatment-herpes simplex virus keratitis 3728, 4148.
 treatment-herpes simplex virus keratitis, human 4706.
 treatment-herpes simplex virus 1 infection, mouse 113.
Adenine arabinoside (N⁶-Hydroxy),
 antiviral activity, herpes simplex virus 1 infection 5488.
Adenine deaminase,
 deficiency, human lymphocyte, relationship-ATP/
 AMP(cyclic) content 584.
Adenine hydrobromide,
 X-ray diffraction 5403.
Adenine nucleoside,
 aminoacyl derivative, substrate-*Escherichia coli*
 peptidyltransferase 112.
 radioactivity, separation, use-chromatography (thin layer) 77.
 separation/identification, chromatography (anion-exchange)
 2936.
Adenine nucleotide,
 see also **AMP, ADP, ATP**
 association-solution, spin labelling 103.
 interaction-catecholamine, effect of metal ion, NMR 138.
 pool, mammalian cell line, adenosine incorporation, effect of
 serum deprivation 2947.
 radioactivity, separation, use-chromatography (thin layer) 77.
 separation/determination, chromatography (thin layer) 137.
 separation/identification, chromatography (anion-exchange)
 2936.
 synthesis, *Schistosoma mansoni*, inhibition-adenosine(7-
 deaza)/adenosine(N⁶-phenyl) 679.
 thiophosphate analogue, NMR 2180.
Adenine phosphoribosyltransferase,
 activity, effect of purine(2,6-diamino)/purine(6-methyl)
 resistance, *Escherichia coli* 1165.
 activity, mouse 4036.
 assay 573.
Adeninium hemisulphate,
 X-ray diffraction 5404.
Adeninium sulphate,
 X-ray crystallography 5405.
Adeno-associated virus,
 DNA, restriction endonuclease mapping/terminal
 arrangement 440.
 DNA, terminal fragment nucleotide sequence 441.
 RNA transcription, isolated KB cell nucleus 1944.

Adeno-associated virus 1,

DNA replication complex, isolation/properties 995.

Adenocarcinoma,

human colon, detection-cytomegalovirus DNA sequence
 3974.

Adenosine,

(3'-methylamino-3'-deoxy)-adenosine-5'-
 phosphorimidazolide, reaction effect of poly(U) 87.
 analogue, haemodynamic/metabolic activity, dog 4709.
 analysis, use-chromatography (high pressure) 76.
 analysis method 1274.
 assay method 2933.
 association-solution, spin labelling 103.
 blocking-calcium dependent lymphocyte activation.
 association-immunodeficiency 3348.
 complex-uracil (5-bromo), X-ray diffraction 5428.
 derivative, synthesis/properties 3734.
 effect on ATP content, *glycine max* axes 4684.
 effect on cytoplasmic polyhedrosis virus RNA biosynthesis
 4885.
 exogenous, effect on ATP content, *Glycine max* 1267.
 incorporation-adenine nucleotide pool, mammalian cell line.
 effect of serum deprivation 2947.
 incorporation-mouse ovum, RNA adenylation/protein ADP
 ribosylation 4708.
 interaction-flavin 1828.
 interaction-poly (U), effect of sodium sulphate/sodium
 chlorate/sodium chloride 3737.
 modification-formaldehyde + lysine interaction product 4129.
 reaction- 'cis'-dichlorobis(1-methylimidazole-2-
 thiol)pa/< cis->dichlorobis(1-methylimidazole-2-
 thiol)p, NMR 91.
 reaction-chloroacetaldehyde, kinetics/intermediate
 characterization 3722.
 residue, reovirus 3 RNA, methylation in vitro 5755.
 self-stacking, n.m.r. 93.
 solubility, salt solution 102.
 stimulation-AMP (cyclic), control-theophylline, mouse
 neuroblastoma 2172.
 stimulation-proinsulin biosynthesis/insulin secretion, rat/
 mouse pancreas 2170.
 3'-terminal, role-tRNA (seryl) synthetase/tRNA (threonyl)
 synthetase/tRNA (valyl) synthetase/tRNA (isoleucyl)
 synthetase activity, yeast 5586.
 tetachloropalladate complex, spectroscopy 2168.
 2'-O-tetrahydropyranyl derivative, synthesis 3716.
 toxicity, lymphoid cell, relationship-adenosine deaminase
 activity 1843.
 toxicity, lymphoma cell, role-S-adenosylhomocysteine 1284.
 toxicity-L1210 cell/mitogen-stimulated lymphocyte 5489.
 transformation-adenosine(cyclo), use-thionyl chloride/
 sulphuryl chloride 664.
 tritiated, effect on lymphocyte 4145.
 uptake, guinea pig jejunum, effect of hexobendine/
 dipyrindamole/dilazep/lidoflazine/inosine 4146.
 uptake/metabolism, pig vascular endothelium 2173.
Adenosine (N⁶(methylnitroso)),
 antibody production/characterization 2171.
Adenosine (5'-[³H]),
 synthesis 5447.
Adenosine (2-Alkylthio-2',3'-O-Isopropylidene),
 conformation 94.
Adenosine (2'-amino-2'-deoxy),
 solution conformation analysis, NMR 674.
Adenosine (3'-amino-3'-deoxy),
 solution conformation analysis, NMR 674.
 synthesis 5451.

Adenosine (3'-Amino-3'-Deoxy),

containing, cytidyl(3',5')-adenosine/cytidyl(3'-5')-cytidyl(3',5)-adenosine derivative, synthesis 5546.
reaction-thiophosphoryl chloride 5450.

Adenosine (aza),

NMR 105.

Adenosine (8-Bromo),

Raman spectra 4151.

Adenosine (cyclo),

synthesis-adenosine, use-thionyl chloride/sulphuryl chloride 664.

Adenosine (8,2'-S-Cyclo),

dinucleoside monophosphate, n.m.r. 115.

Adenosine (3-Deaza),

solution conformation, NMR 5463.

Adenosine (7-deaza),

inhibition-adenine nucleotide/guanine nucleotide synthesis, *Schistosoma mansoni* 679.

Adenosine (3-Deaza-8-Aza),

solution conformation, NMR 5463.

Adenosine (deoxy),

analogue, synthesis 666.

effect on adenine arabinoside/hypoxanthine arabinoside antiviral activity 5490.

vaccinia virus-host protein synthesis, vaccinia virus-infected cell culture 1347.

Adenosine (3'-Deoxy),

effect on aldosterone RNA biosynthesis stimulation, *Bufo marinus* urinary bladder 4872.

inhibition-nonhistone protein phosphorylation, rat liver 4141.

Adenosine (3'-deoxy 3'-C-dibromomethylidene),

synthesis 86.

Adenosine (5'-deoxy-2-fluoro),

synthesis 667.

Adenosine (5'-Deoxy-5'-S-Isobutylthio),

inhibition-Rous sarcoma virus transformation-chick embryo fibroblast 4707.

Adenosine (3'-deoxy-3'-thio),

derivative, synthesis 665.

Adenosine (N⁶,N⁶-Dimethyl),

base stacking, kinetics 2943.

Adenosine (p-Fluorosulphonylbenzoyl),

carbon 14-labelled, synthesis 2937.

Adenosine (glycylcarbonyl),

X-ray crystallography 104.

Adenosine (8-(α -hydroxyisopropyl)-),

X-ray diffraction 1837.

Adenosine (S-Isobutyl),

antimalarial activity, *Plasmodium falciparum* 2948.

Adenosine (isopentenyl),

assay 2934.

Adenosine (N⁶-(Δ^2 -Isopentenyl)),

analogue, synthesis/biological properties 5449.

Adenosine (2',3'-O-Isopropylidene),

derivative, NMR 5462.

Adenosine (methyl),

synthesis/characterization 1277.

Adenosine (6-methyl),

tRNA Val base, NMR 1841.

Adenosine (5'-Methylthio) nucleosidase,

human placenta, purification/characterization 4038.

Adenosine (5'-Methylthio),

structure, X-ray crystallography 5461.

Adenosine (2-Methylthio-N⁶-(Δ^2 -Isopentenyl),

containing, M+RNA, *Escherichia coli*, effect of iron 2198.

Adenosine (N⁶,O^{2'}-dimethyl),

isolation/characterization, Novikoff hepatoma nuclear RNA

2935.

Adenosine (phenyl),

inhibition-adenine nucleotide/guanine nucleotide synthesis.

Schistosoma mansoni 679.

Adenosine (threonylcarbonyl),

X-ray crystallography 104.

Adenosine (N⁶-(N-Threonylcarbonyl)),

interaction-bromomethylmethoxyoxobenzopyran/bromoacetanilide 67.

Adenosine (xylosyl),

inhibition-nuclear RNA methylation, L1210 cell 3727.

Adenosine deaminase,

activity, absence, Rous sarcoma virus-transformed mammalian cell 5283.

activity, human bladder carcinoma 5285.

activity, human lymphocyte, normal/leukaemia/kidney transplantation 2470.

activity, lymphoid cell, relationship-adenosine toxicity 1843.

activity, Rous sarcoma virus transformed chick embryo fibroblast 582.

assay, chromatography (high-pressure liquid) 583.

characterization, calf thymus 3635.

characterization, normal/tumour colon 2114.

characterization, rat normal/malignant colon 6221.

deficiency, association-immunodeficiency, human 2855.

deficiency, association-immunodeficiency, review 4668.

deficiency, effect on human lymphocyte development 2471.

human, expression, deficient choriocarcinoma cell, following fusion-mouse fibroblast 3275.

inhibition, relationship-adenine arabinoside antiviral activity 5482.

inhibitor, effect on adenine arabinoside antiviral activity 5485.

product inhibition, human erythrocyte, relationship-immune defect 5284.

***Pseudomonas iodinum*, purification/crystallization 3636.**

purification/quaternary structure, human kidney 2856.

transition state affinity, effect of substituent ribose, calf intestine 1164.

Adenosine hexaphosphate,

role sporulation initiation, *Bacillus subtilis* 3732.

Adenosine kinase,

activation-ribavirin, human cell line 5279.

activity/properties, relationship-adenosine concentration/role 564.

Adenosine 5'-phosphorimidazolidine,

(3'-methylamino-3'-deoxy)-adenine(9-(2-amino-2-deoxyxylofuranosyl))/adenosine, reaction effect of poly(U) 87.

Adenosine phosphorylase,

Bacillus subtilis, properties 4032.

Adenosine tetraphosphate,

hydrolysis/photolysis 5525.

Adenosylcobalamin,

tetachloropalladate complex, spectroscopy 2168.

S-Adenosylhomocysteine,

effect on cytoplasmic polyhedrosis virus RNA biosynthesis 4885.

effect on DNA methylase activity, *Escherichia coli* /phage DDVI 5288.

synthesis 4130.

S-Adenosylmethionine,

effect on cytoplasmic polyhedrosis virus RNA biosynthesis 4885.

Adenovirus,

DNA, interaction-early RNA 1229.

DNA, RNA 5-5S transcription in vitro 4865.

infected HeLa cell, isolation-polyribosome pool 1367.

Adenovirus.(continued)

- infected HeLa cell, protein biosynthesis, inhibition-low-molecular weight RNA 5779.
- infection, human, leucocyte RNA/DNA content 4808.
- mRNA gene, DNA subunit structure 943.
- RNA biosynthesis, infected HeLa cell, RNA characterization, effect of toyocamycin 4830.
- Adenovirus (avian),**
DNA, association-cellular DNA, infected human/chick embryo cell 2380.
nucleic acid characterization 2667.
- Adenovirus (bovine),**
DNA, guanine-cytosine content, comparison-oncogenic/nononcogenic strains 437.
- Adenovirus (human),**
subgroup B genome organization 442.
- Adenovirus (human) 2,**
mRNA, 3'-terminal sequence arrangement 248.
mRNA, 5'-terminal structure 335.
mRNA biosynthesis, hypothesis, review 17.
mRNA transcript, mapping, homology-SV40 hybrid genome 252.
DNA, restriction endonuclease EcoRI fragment, mapping-restriction endonuclease HaeIII cleavage site 4449.
DNA, restriction endonuclease HaeIII cleavage site determination 4448.
DNA, RNA transcription initiation site 941.
DNA biosynthesis, termination 3231.
DNA/DNA-protein complex, infectivity, human embryo kidney cell 5155.
DNA fragment, excision/recombination, *Escherichia coli* 6115.
DNA fragment, transforming activity 1642.
DNA integration, productively infected-KB cell 3539.
DNA replication, biosynthesis-infected histone, KB cell synthesis 3653.
DNA replication complex, DNA polymerase properties 994.
DNA replication system, characterization 2836.
early promoter, mapping, use- γ -irradiation 436.
early promoter, mapping, use-UV-irradiation 436.
early protein, association-DNA biosynthesis complex 1578.
early RNA, mapping/quantitation, electron microscopy 804.
early mRNA, structure 5687.
effect on SV40 DNA replication 6003.
genome, specified, polyribosome RNA, mapping 3045.
high-molecular weight DNA, occurrence/characterization, infected human cell 5928.
in vitro DNA biosynthesis 275.
infected, HeLa cell, low-molecular weight RNA 4283.
infected HeLa cell, characterization-replicative intermediate nucleoprotein (deoxyribo) 4600.
infected HeLa cell, transcription initiation 2643.
infected KB cell, tRNA biosynthesis 4746.
infected KB cell, RNA polymerase III, purification/properties/subunit structure 1708.
intracellular DNA, isolation/characterization, KB cell 4385.
late promoter, mapping, use-nascent mercurated RNA 3434.
late mRNA, precursor, UV-irradiation transcription mapping 3841.
late transcription, premature termination, induction-5,6-dichloro-1- β -D-ribofuranosylbenzimidazole, HeLa cell 3461.
polypeptide IX mRNA, characterization, identification-gene 800.
psoralen-cross-linked DNA, structure, electron microscopy 5020.
replicating DNA, structure 942.
replication, KB cell, inhibition-5,6-dichloro-1- β -D-ribofuranosylbenzimidazole 5126.
mRNA, accumulation, effect of cycloheximide 3083.
mRNA, mapping 2351.
mRNA, nuclear origin 3082.
mRNA, 3'-terminal structure 3437.
RNA biosynthesis, permissive/nonpermissive infection 4866.
RNA 5-5S, initiation site 2617.
specific gene, transcription-exogenous RNA polymerase III, KB cell nucleus 1709.
SV40 hybrid, characterization/DNA sequence analysis 3534.
temperature-sensitive mutant, light intermediate particle characterization 4658.
transformed cell, RNA polymerase II transcription-viral gene 4572.
- Adenovirus (human) 3,**
defective DNA biosynthesis, HeLa cell 3947.
- Adenovirus (human) 5,**
benzo(a)pyrene diol-epoxide derivatives induced damage, DNA repair, excision, human fibroblasts 441.
circular DNA-protein complex, infected HeLa cell 625.
core protein biosynthesis, during late infection, HeLa cell 4216.
DNA, association-cellular DNA, infected human/chick embryo cell 2380.
DNA, 3'-terminal/5'-terminal nucleotide sequence 2353.
DNA, transcription-transformed rat embryo cell 3831.
DNA binding protein, complex formation-single-stranded DNA 5355.
DNA-binding protein, role-gene expression regulation 2500.
DNA-binding protein phosphorylation-protein kinase 5354.
DNA biosynthesis, mechanism 2751.
DNA biosynthesis in vitro 1579.
DNA fragment, transforming activity 1642.
DNA replication, initiation mechanism 4474.
genome transcription, transformed rat embryo cell 2644.
host range mutant, DNA biosynthesis/protein biosynthesis, HeLa cell/KB cell 6010.
induction-cellular DNase inhibition, infected KB cell 4005.
infected CV-1 cell, ribosomal protein, characterization 4226.
linear DNA, characterization-replication 1000.
transformed rat embryo cell line, RNA metabolism, effect of herpes simplex virus infection 5740.
- Adenovirus (human) 6,**
DNA, characterization 3914, 4438.
DNA, hamster cell culture infection 6079.
DNA, *Streptomyces albus* restriction endonuclease analysis 2721.
- Adenovirus (human) 7,**
defective particle, DNA characterization 947.
DNA, restriction endonuclease cleavage mapping 946.
DNA fragment, transformation-rat cell line 6118.
- Adenovirus (human) 12,**
T-antigen, separation-DNA polymerase α 5257.
DNA, detection-induced hamster tumour 518.
DNA, insertion/detection analysis, following replication, infected Vero cell 5021.
DNA-binding protein synthesis 2905.
DNA fragment, transformation-rat cell line 1072.
DNA fragment, transformed rat cell line, characterization 1073.
DNA integration pattern, transformed hamster cell line 6112.
DNA replication initiation site, 5'-terminal nucleotide analysis 3911.
infected KB cell, RNA biosynthesis 2642.
transformation, hamster embryo/rat cell, role-gene (401) 6113.

Adenovirus (murine),

characterization-DNA 945.

Adenovirus (simian) 7,

DNA. hamster cell culture infection/tumour-induction 6079.

DNA. restriction endonuclease cleavage site 4542.

DNA analysis. use-restriction endonuclease cleavage 4440.

DNA-protein complex. characterization 2907.

localization-DNA transcription/replication 6050.

3-(9-Adenyl)propionyltryptamine monohydrate,

X ray diffraction 1817.

3-(9-Adenyl)propionyltyramine,

X-ray diffraction 634.

Adenylate,

residue. *Escherichia coli* tRNA. recognition-rat liver tRNA methylase 1340.

Adenylate cyclase,

activity. cardiac sarcolemma. effect of guanylyl imidodiphosphate 5538.

rat liver. activation-GTP/guanylyl imidodiphosphate/guanylyl(α,β -methylene)diphosphonate 142.

Adenylate kinase,

binding-diadenosine pentaphosphate 1859.

kinetics. heart 2111.

pig muscle. ATP/AMP binding site. X-ray diffraction 572.

pig muscle. X-ray diffraction 571.

separation method 1734.

Adenylyl-(3',5')-adenine,

etheno derivative. base stacking 4174.

triphosphate/5'-pyrophosphate derivative. synthesis 5543.

Adenylyl-(3',5')-Cytidine,

laser desorption-mass spectrometry 5551.

Adenylyl-(3',5')-guanine,

triphosphate/5'-pyrophosphate derivative. synthesis 5543.

Adeturone,

effect on DNA repair. *Escherichia coli* 3952.

ADP,

N⁶-alkylthiomethyl derivatives. synthesis 116.

arsonomethyl analogue. synthesis 1296.

complex-copper. circular dichroism 4720.

complex formation-manganese. thermodynamics 134, 135.

hydrolysis/photolysis 5525.

inhibition-Ehrlich ascites cell initiation-dependent protein biosynthesis 1857.

NMR. aqueous solution 1295.

reaction-mesitoic acid anhydride, NMR 5527.

dADP,

complex-copper. circular dichroism 4720.

ADP-ribose,

antibody. production. use-carboxymethylated conjugate 2478.

Adrenal gland,

bovine. histone characterization 1759.

rat. RNA content. effect of swimming 310.

tumour cell, mouse. DNA biosynthesis. effect of ACTH/AMP (8-bromocyclic) 1582.

Adrenaline,

modulation-histone/nonhistone protein acetylation. rat brain 5306.

Adriamycin,

complex-DNA. human lung carcinoma treatment 5160.

derivative. interaction-DNA 5851.

DNA complex. cytostatic activity. Ehrlich ascites cell 3598.

effect on bovine pancreas DNase I activity 2446.

effect on DNA biosynthesis. chick embryo fibroblast 3579.

effect on nucleolar ribonucleoprotein distribution. Novikoff hepatoma 4051.

effect on RNA biosynthesis/RNA content. fibroblast

nucleolus 1433.

Adriamycin(demethoxy),

derivative. effect on DNA biosynthesis/RNA biosynthesis. relationship-cytotoxicity. HeLa cell 1613.

Adriamycin-14-Octanoate,

inhibition-RNA polymerase 2452.

Adrogen,

treatment. effect on prostatic binding protein <?m>RNA activity. rat prostate gland 338.

Aedes aegypti,

infected cell. Venezuelan equine encephalitis virus induction-uridine(5-iodo-2-deoxy) 2178.

spermatzoa. DNA content 320.

Aedes albopictus,

origin-actinomycin D-resistant RNA 4257.

ouabain sensitive/resistant. Sindbis virus RNA biosynthesis. effect of ouabain 4315.

Aflatoxin,

binding-DNA. relationship-mutagenicity 5876.

Aflatoxin B1,

DNA/rRNA adduct. hydrolysis product. characterization 1972.

effect on polyribosome/protein biosynthesis. rat liver 4794, 750.

effect on rat liver RNA polymerase/chromatin template activity 4571.

feeding. effect on rRNA metabolism. rat liver 873.

inhibition-DNA biosynthesis. Africa green monkey kidney cell 1601.

interaction-DNA. rat liver 4400.

interaction-*Escherichia coli* /rat liver tRNA 4743.

modification-DNA 346.

African green monkey,

repetitive DNA. characterization 5066.

repetitive DNA. restriction endonuclease cleavage site. relationship-chromatin subunit 2493.

African green monkey cell,

DNA biosynthesis. inhibition-aflatoxin B1 1601.

enucleated. mitochondrial RNA/protein biosynthesis 4341.

African swine fever virus,

DNA replication. infected Vero cell. inhibition-phosphonoacetic acid 3966.

Agarose,

interaction-circular DNA. characterization 5826.

interaction-DNA/RNA 3506.

Agarose gel,

isolation-chick ovalbumin m RNA 238.

Age,

effect on chromosome DNA structure/function. *Hedera helix* 5977.

effect on DNA biosynthesis. rat ventral prostate 2400.

effect on DNA biosynthesis induction-isoproterenol. mouse 2775.

effect on DNA biosynthesis/RNA biosynthesis. rat Purkinje cell 1041.

effect on DNA repair capacity. rat 4491.

effect on histone biosynthesis fidelity. human fibroblast 4605.

effect on histone H1 pattern. mouse chromatin 3289.

effect on histone/nonhistone protein acetylation. rat liver chromatin 3294.

effect on mitochondrial DNA structure/replicative form. human leukocyte 4464.

effect on *Oryzias latipes* DNA content 4376.

effect on polyribosome content. *Zea mays* leaf 5640.

effect on polyribosome content/protein biosynthesis activity. rat liver following hepatectomy 4778.

Age, (continued)

effect on protein biosynthesis, *Glycine max* cotyledon 2582.
 effect on RNA content, human hypoglossal neuron 5658.
 effect on rRNA gene number, mouse tissue 3250.
 effect on RNA/protein biosynthesis, rat 3843.
 effect on RNA/protein biosynthesis rate, rat heart muscle 5764.

rat, effect on RNase (alkaline) activity, rat 3999.
 relationship-histone/nonhistone protein phosphorylation, effect of calcium 3292.

***Agrobacterium tumefaciens*,**

DNA, fate, soybean 6088.
 DNA, reconstitution-tobacco mosaic virus protein 4996.
 DNA polymerase activity 2466.
 infected *Nicotiana tabacum*, crown gall tumour, detection-plasmid gene 5180.

phage PS8, DNA physicochemical properties 2713.
 plasmid, restriction endonuclease analysis 4997.
 plasmid Ti, DNA fingerprinting 5891.
 restriction endonuclease, purification/characterization 1696.
 tumorigenicity, *Pisum sativum*, role-RNA 5725.

***Agrostemma githago*,**

DNA biosynthesis, effect of hydroxyurea 6074.
 embryo, RNA biosynthesis reactivation during early germination 3094.

AKR leukaemia virus,

DNA, detection, mouse chromosome 1481.

Albumin,

methylated, binding-Ehrlich ascites cell DNA, comparison-replicating/non-replicating/denatured 4390.
 mRNA, analysis, Morris hepatoma 5798.

mRNA, content/translation, effect of protein deficiency, rat liver 3424.

mRNA, distribution-free/membrane-bound, rat liver polyribosome 1462.

mRNA, purification/analysis, rat liver 1922.

mRNA, rat liver, identification-high-molecular weight precursor 5665.

mRNA, translation, rat hepatoma, pre-proalbumin synthesis 1476.

***Alcaligenes aquamarinus*,**

adenine(2,8-dihydroxy), inhibition-rat liver/milk xanthine oxidase 658.

Aldosterone,

effect on DNA biosynthesis/RNA biosynthesis, rat brain, during development 5098.

stimulation-RNA biosynthesis, *Bufo marinus* urinary bladder, effect of adenosine (3'-deoxy) 4872.

Alfalfa mosaic virus,

coat protein, interaction-RNA, calorimetry 788.
 infected, *Nicotiana tabacum*, characterization-RNA replicase 1126.

RNA, 5'-terminal nucleotide sequence 1405.

RNA 4, initiation translation, effect of tRNA fMet/ acetylated tRNA Phe 2597.

Alkaline phosphatase,

activity, HeLa cell, effect of uridine(5-iodo-2'-deoxy) 4711.
 activity, *Spirodela oligorrhiza*, effect of phosphate deficiency 529.

induction-cytosine arabinoside/mitomycin C/phleomycin/ nucleotide(cyclic), choriocarcinoma cell 118.

Alkylating agent,

reaction site-DNA 1978.

Allium,

DNA content, association-morphological characteristics 893.

***Allium cepa*,**

DNA replication during cell cycle 507.

epidermis nucleus, DNA/RNA content, effect of ambient atmosphere, relationship-nucleolus size 506.
 kinetochore, ribonucleoprotein occurrence 6236.
 micropuff, structure/function 3288.
 rRNA gene content, variability 3186.
 root cell, transcription, effect of 2,4-dinitrophenol 4331.

***Allium fistulosum*,**

chromosome, rRNA gene localization 2900.

***Allium sativum*,**

rRNA gene content, variability 3186.

***Allomyces arbuscula*,**

genome, characterization 1546.

rRNA cistron, analysis 450.

virus, RNA biosynthesis 295.

***Allomyces macrogynus*,**

development, RNA biosynthesis 4895.

mitochondrial DNA, isolation/characterization 3925.

zygote, RNA/protein biosynthesis 4896.

Allopurinol,

effect on xanthine dehydrogenase, turkey liver 4597.

Aluminium,

binding-deoxyribonucleoprotein DNA, pea root nucleus 1755.

effect on *Pisum* DNA template activity/physical properties 5974.

***Alytes obstetricans*,**

DNA biosynthesis, effect of thyroxine treatment 3202.

intestine, DNA activity, effect of thyroxine 3233.

 α -Amanitin,

effect on chicken chromatin structure 1760.

effect on melanin biosynthesis, chick retinal pigment epithelium, control-mRNA transcription 1444.

effect on chromatin structure/transcription/RNA/nonhistone protein content, hepatocyte nucleus 6266.

effect on polyoma virus-specific RNA biosynthesis 3829.

effect on rat liver RNA polymerase/chromatin template activity 4571.

effect on RNA biosynthesis, Rous sarcoma virus-transformed chicken fibroblast 5752.

inhibition-DNA replication initiation, *Drosophila melanogaster* 3954.

inhibition-histone biosynthesis, regenerating rat liver 4055.

inhibition-RNA biosynthesis, BHK-21 cell 4330.

Amethopterin,

cytotoxicity, mechanism, review 4104.

inhibition-DNA biosynthesis, *Bacillus brevis* 1035.

Amine,

interaction-pyrimidine (2,4-dichloro) 3336.

Amino acid,

see also **specific acids**

AMP derivative, conformation 3352.

aromatic, ternary complex-zinc + ATP 5528.

complex-poly (A-U)/poly (G-C), properties 2555.

deficiency, *Escherichia coli*, effect on tRNA (aminoacyl) synthetase/tRNA content 4760.

effect on ribosome/protein biosynthesis, rat hippocampus, electron microscopy 3016.

incorporation, ribosome, rat liver cell-free system 4801.

interaction-base 3702.

phosphorylated, identification-influenza virus nucleoprotein 594.

sequence, binding-nucleotide, review 1815.

sequence, *Macropus rufus* RNase 5207.

starvation, during phytohaemagglutinin stimulation-human lymphocyte, effect on protein biosynthesis/RNA biosynthesis/DNA biosynthesis 1349.

Amino acid,(continued)

substitution, effect on phage T4 DNA polymerase biological properties 1717.
 transport, CHO cell, role-tRNA(aminoacyl) synthetase 5582.
 transport, regulation, *Escherichia coli*, role-tRNA Leu 5574.
9-Aminoacridine,
 effect on DNA polymerase I activity 1724.
 binding-DNA, effect of base composition 5855.
 complex-dinucleotide (deoxy), NMR 4727.
 interaction-guanosine (7-methyl)/AMP (1,N⁶-etheno) 4700.
 nitro derivative, interaction-DNA 392.
3-Aminoacridinium,
 binding-double-stranded DNA 2683.
2'(3')-O-Aminoacyl dinucleoside phosphate,
 synthesis 3738.
p-Aminobenzoylglutamic acid,
 binding-RNase S, crystallography 6146.
Aminoglycoside phosphotransferase,
 gene, DNA, relationship-R factor/antibiotic-producing bacteria 5045.
6-Aminonicotinamide,
 effect on DNA/RNA concentration, rabbit embryo 2774.
 induced acute gliopathy, inhibition-RNA biosynthesis 5765.
3-Aminophenanthridium,
 derivative, complex-DNA, circular dichroism 4979.
Aminopterine,
 effect on uridine (deoxy)/thymidine (deoxy)/uridine incorporation, colony forming cell 4149.
7-Aminoquinolinium,
 binding-double-stranded DNA 2683.
Aminoquinone,
 derivative, inhibition-DNA polymerase I/RNA polymerase, *Escherichia coli* 2824.
Ammonia,
 inactivation-poliovirus RNA 3792.
 interaction-pyrimidine (2,4-dichloro) 3336.
Amniotic fluid,
 human, occurrence-reverse transcriptase 2102.
Amoeba discoides,
 DNA polymerase β activity, absence 3272.
 informational molecules, autoradiographic study 2300.
 RNA biosynthesis, effect of antrycide 4337.
Amoeba proteus,
 DNA, characterization 5946.
 informational molecules, autoradiographic study 2300.
 RNA, analysis, electrophoresis 4817.
 transcriptionally active gene, visualization, electron microscopy 3921.
Amoebae,
 RNA association-chromatin 302.
AMP,
 amino acid derivative, conformation 3352.
 antibody, production, use-carboxymethylated conjugate 2478.
 binding-cobalt ion, kinetics 690.
 binding-glycogen phosphorylase b, conformation 1854.
 binding site, pig muscle adenylate kinase, X-ray diffraction 572.
 complex formation-dehydrogenase + platinum 5522.
 complex formation-manganese, thermodynamics 134, 135.
 complex-thyroliberin/histidine, NMR 2956.
 conformation, aqueous solution, NMR 1853.
 conformation, NMR 3730.
 determination, chromatography (high pressure) 2547.
 hydrolysis/photolysis 5525.
 interaction-flavin 1828.
 modification-formaldehyde + lysine interaction product 4129.

NMR, oxygen-18 isotope shift 5524.

Raman spectra 4151.

reaction-diammine platinum(II), Raman spectra 4156.
 solution, structure 4152.

AMP (8-amino),
 conformation 1855.

AMP (benzo),
 linear, physical properties 117.

linear, probe-enzymes binding sites 126.

AMP (bromocyclic),
 effect on DNA biosynthesis, mouse adrenal gland tumour cell 1582.

AMP (cyclic),
 association-hexadecane-induced DNA biosynthesis, rat skin 4509.

content, effect of poly(I-C), dog thyroid gland 161.

effect on *Candida albicans* RNA biosynthesis/protein biosynthesis 853.

effect on ribosomal protein phosphorylation, rat cerebral cortex 4793.

inhibition-protein biosynthesis, *Xenopus laevis* oocyte 3002.
 stimulation-adenosine, control-theophylline, mouse neuroblastoma 2172.

AMP (dibutyl cyclic),
 effect on free ribosome incorporation-thyroglobulin synthesizing polyribosome 5639.

effect on tyrosine aminotransferase chain elongation rate 2238.

effect on tyrosine aminotransferase mRNA biosynthesis, rat liver 5769.

enzyme induction, rat liver, effect on tyrosine aminotransferase mRNA 4338.

AMP (8-dimethylamino),
 conformation 1855.

AMP (1,N⁶-Etheno),
 interaction-9-aminoacridine 4700.

AMP (phenylalanyl),
 effect on tRNA Phe (RNA (phenylalanyl) synthetase recognition mechanism, yeast 4764.

AMP (2'-(5''-Phosphoribosyl)),
 structure 2181.

AMP arabinoside,
 antiviral agent evaluation 5514.

derivative, synthesis 5526.
 synthesis 139.

toxicity, in vivo 5481.

treatment, use-experimental herpes simplex virus 2 infection 1299.

treatment-herpes simplex virus 1 infection, mouse 113.

AMP 6-N-(6-Iodoacetamido-n-Hexanoyl)),
 synthesis 118.

AMP kinase,
 chromatography (affinity) 4033.

AMP nucleosidase,
Azotobacter vinelandii, inactivation-phosphates, kinetics 553.

Amphetamine,
 inhibition-tRNA aminoacylation, cell-free system 752.

d-Amphetamine,
 inhibition-protein biosynthesis, brain, rats 189.

Amphibian,
 oocyte, lampbrush chromosome, transcription organization 5395.

Ampicillin resistance,
Escherichia coli, plasmid pBR322 genes, nucleotide sequence 374.

resistance, *Haemophilus parainfluenzae*, plasmid R mediated transfer 1650.

- Amylase**,
mRNA, dog pancreas, isolation/translation *in vitro* 1962.
secretion, mouse submandibular gland, stimulation-cytidine (cyclo) 1844.
- α -Amylase**,
properties, *Hordeum vulgare* seed, effect of uracil (5-fluoro) 5440.
- Anabaena cylindrica***,
sulphur-containing nucleotide-peptide complex, isolation/ activity 1852.
- Anabaena variabilis***,
restriction endonuclease Ava II, cleavage site 6158.
- Anaemia (megaloblastic)**,
DNA biosynthesis defect, review 10.
- Andean potato latent virus**,
RNA, comparison-turnip yellow mosaic virus/eggplant mosaic virus 5692.
- RNA replication, *Datura* leaves 2646.
- Andean potato mottle virus**,
nucleoprotein, characterization 3647.
- Androgen**,
see also **Testosterone**, etc
receptor, binding-DNA, mouse brain 5363.
receptor, complex, interaction-prostate gland chromatin, role-nonhistone protein 5323.
regulation-RNA polymerase B RNA chain elongation, rat prostate gland chromatin 2286.
- Aneides***,
chromosome study/DNA sequence homology 5960.
- Angelicin**,
interaction-purine/pyrimidine 4117.
UV irradiation-induced binding-phage λ DNA 2332.
- Angiosperm**,
chromatin structure 1779.
- Angiotensin**,
stimulation-DNA biosynthesis, bovine adrenocortical cell 2382.
- 5a,6-Anhydrotetracyclines**,
effect on *Escherichia coli* RNA accumulation/guanosine tetraphosphate metabolism 4876.
- bis(1-Anilino-8-naphthalenesulphonate)**,
inhibition-*Escherichia coli* RNA polymerase 2822.
- Animal virus**,
replication, review 5366.
- Anion**,
monovalent, binding-guanine/cytosine/uracil/thymine/adenine 38.
- Ankistrodesmus braunii***,
nitrate reductase activity, effect of purine (6-methyl) 3726.
- Anoxia**,
effect on DNA biosynthesis, rice coleoptile 505.
- Ansamycin**,
inhibition-reverse transcriptase, Moloney leukaemia virus 5271.
- Antheraea pernyi***,
ovary, rRNA gene amplification 5195.
- Anthonomus grandis***,
DNA biosynthesis, inhibition-dimilin 2398.
- Anthracycline**,
binding DNA 4391.
inhibition-DNA biosynthesis/RNA biosynthesis, structure-activity relationship 4953.
- Antibiotic**,
see also **specific compounds**
effect on elongation factor G-GDP-ribosome complex turnover 1375.
stimulation-protein biosynthesis misreading, wheat germ cell-free system 3409.
- stimulation-protein biosynthesis misreading, human KB cell cell-free system 3408.
- Antibody**,
activity, single-stranded DNA, *Schistosoma japonicum* -infected rabbit 593.
- ADP-ribose/AMP, production, use-carboxymethylated conjugate 2478.
- anti-DNA, maternal, effect on immune response, offspring, mouse 590.
- antitumour, synthesis, mouse spleen cell, induction-immune RNA 3641.
- binding-poly (A-U)/poly (A-U-U), effect on thermal transition 3362.
- biosynthesis, induction-immune RNA, lymphosarcoma cell line 870.
- denatured single-stranded DNA, assay 3642.
- DNA, assay 1750.
- DNA, assay, use-*Crithidia lucilliae* kinetoplast DNA, substrate 6233.
- DNA, avidity/valency, rabbit/systemic lupus erythematosus-human 2480.
- DNA, detection, method 4047.
- DNA, determination, Farr assay, comparison-*Crithidia lucilliae* immunofluorescent test 2479.
- DNA, induction, relationship-polyclonal antibody formation, mouse 2864.
- DNA, induction-lipopolysaccharide, mouse, mechanism 2863.
- DNA, maternal, effect on immune response, offspring, mouse 590.
- DNA, occurrence, human ankylosing spondylitis 4599.
- DNA, occurrence, human glaucoma 587.
- DNA, occurrence, nonlipoid cryoglobulinaemia, human 589.
- DNA, role-systemic lupus erythematosus, review 1239.
- double-stranded DNA, formation, athymic nude mouse 3643.
- UV-irradiated DNA, measurement-systemic/discoid lupus erythematosus serum 1749.
- mediated cytotoxicity, restriction endonuclease DNA degradation, mouse/human 2425.
- native DNA, detection 4046.
- poly (ADP-ribose), characterization/specificity, mouse 3639.
- poly(I-C), interaction-poly(I-C)/poly(G-C)/poly(X-U) 4183.
- polynucleotide, occurrence-human inflammatory bowel disease 4044.
- ribonuclease, biosynthesis, rabbit 2867.
- ribonucleoprotein, penetration-human mononuclear leucocyte, role Fc receptor 2481.
- RNA, systemic lupus erythematosus, characterization 3284.
- RNA/characterization, anti, systemic lupus erythematosus 3284.
- single-stranded/double-stranded DNA, simultaneous assay 4598.
- staphylococcal nuclease, mouse, gene mapping 5964.
- Staphylococcus aureus* DNase, detection method 3644.
- Anticodon**,
region, yeast tRNA Phe, conformation transition 4198.
- Anticodon loop**,
Bacillus subtilis tRNA, structure modification during development 4747.
- Antigen**,
immunoprotective, *Haemophilus influenzae* ribosome, characterization 3020.
- low-molecular weight, sensitivity, transfer-guinea pig lymphoid tissue poly (A)-containing RNA 1748.
- structure, double-stranded RNA analogue 5297.
- tumour, gene, SV40, nucleotide sequence 5024.

T-Antigen,

adenovirus (human) 12, separation-DNA polymerase α 5257.
carboxyl terminal coding region, SV40 DNA, nucleotide
sequence 4445.

interaction-SV40 chromatin 2887.

SV40, stimulation-RNA biosynthesis, rat liver isolated
nucleolus 5766.

SV40, synthesis/properties, cell-free system 2575.

 α_1 -Antitrypsin,

inhibition-DNA biosynthesis, human lymphocyte 5147.

Antitumour agent,

see also **specific compounds**

effect on RNA metabolism, review 2517.

inhibition-*Escherichia coli*/mammalian cell culture RNA
polymerase 1129.

inhibition-oncornavirus reverse transcriptase, base specificity
6210.

Antiviral activity,

uridine (5-propynyloxy)2'-deoxy, herpes simplex virus/
vaccinia virus/vesicular stomatitis virus 5503.

Antrycide,

effect on RNA biosynthesis, *Amoeba discoides* 4337.

***Aotus trivirgatus*,**

isolation/characterization-endogenous C-type virus 3805.

Aphid,

mycetocyte, rRNA biosynthesis, role-intracellular symbiont
4900.

***Apis mellifera*,**

DNA/RNA content during development 3116.

Apurinic acid,

endonuclease, breakage-*Escherichia coli* DNA 1690.
extraction, control-polyethylene glycol, Feulgen hydrolysis
365.

***Arabidopsis thaliana*,**

thiamine mutant, correction-bacterial DNA 6087.

***Arbacia punctulata*,**

development, effect of uridine (5'-bromodeoxy) 4150.

Arginine,

deprivation, effect on DNA biosynthesis/cell cycle, KB cell
1633.

deprivation, KB cell, effect on DNA biosynthesis 1634.

Arsenic,

inhibition-DNA repair, UV-irradiation-treated *Escherichia coli* 2385.

***Artemia salina*,**

DNA reassociation kinetics 2009.

elongation factor, purification/properties 4251.

embryo, characterization-protein biosynthesis inhibitor 749.

embryo, cytoplasm, occurrence-translation inhibitor RNA
1918.

embryo, poly (A)-lacking RNA, template activity-histone
biosynthesis 4353.

initiation factor IF-2, stimulating protein, isolation/
characterization 3419.

protein biosynthesis, termination-*Artemia salina* cyst extract
5601.

ribosomal protein L7/L10, structure, comparison-rat liver/
Escherichia coli 3396.

ribosomal protein L7/L12, amino acid sequence, comparison-
Saccharomyces cerevisiae 764.

ribosome, inactivation-pokeweed antiviral protein 4792.

ribosome, RNA/protein content 5619.

ribosome, structure, electron microscopy, comparison-

Escherichia coli 4234.

tRNA (aminoacyl) hydrolase, activity during development
3420.

RNA polymerase activity during development 4009.

RNA polymerase I, origin 1701.

translation control-protein kinase 1914.

***Arthrobacter atrocyaneus*,**

DNA/RNA/protein metabolism, during starvation 1036.

***Arthrobacter crystallopoietes*,**

DNA/RNA/protein metabolism, during starvation 1036.

Arylmethane dye,

interaction-DNA, linear dichroism 4954.

***Ascaris lumbricoides*,**

eggshell protein mRNA, isolation 2250.

Ascites cells,

DNA biosynthesis/RNA biosynthesis, purine (9- β -
ribofuranosyl), effects on 280.

Ascites hepatoma,

DNA, mitochondria, primary structure, comparison-rats
liver 413.

Ascorbic acid,

effect on RNA biosynthesis/RNase activity, barley 3471.

ASK-753,

antibiotic, effect on RNA/DNA 901.

***Aspergillus*,**

RNase L, characterization 6147.

RNase L, purification/characterization 5223.

***Aspergillus clavatus*,**

purification/characterization-RNase 546.

RNase, 2',3'-CMP cleavage, reaction mechanism 2080.

RNase, interaction-substrate derivative 2808.

RNase, isolation 5210.

***Aspergillus foetidus* virus S,**

double-stranded RNA, molecular weight 253.

***Aspergillus fumigatus*,**

DNA biosynthesis/RNA biosynthesis, effect of cytosine (5-
fluoro) 479.

***Aspergillus nidulans*,**

conidium, DNA biosynthesis/RNA biosynthesis/protein
biosynthesis, effect of temperature 2046.

DNA repair, psoralen-pyrimidine monoadduct 3207.

DNA/RNA/protein biosynthesis, stimulation-polyamine
3585.

high-molecular weight DNA, purification 4946.

mitochondrial DNA, restriction endonuclease cleavage map
3174.

sporulation, role-iron-DNA interaction 4948.

***Aspergillus niger*,**

DNase/RNase, effect of γ -irradiation 6135.

nucleus, DNA content 3115.

***Aspergillus oryzae*,**

nuclease S1, degradation-DNA/RNA, HeLa cell lysate,
presence-urea/sodium dodecylsulphate 344.

RNase T1, NMR 4000.

***Aspergillus saitoi*,**

RNase Ms, active site, associated amino acid 4558.

RNase Ms, photooxidation/diethylpyrocarbonate
modification 2813.

RNase Ms activity, effect of amino group modification 2085.

RNase Ms activity, role-carboxy terminal structure 5225.

Asphyxia,

induction-polyribosome disaggregation, cerebrum, rhesus

- Asphyxia**, (continued)
monkey foetus 3407.
- Astasia longa**,
nuclear DNA/histone content 5811.
- Ataxia telangiectasia**,
DNA repair, following X-irradiation/UV-irradiation 3214.
DNA repair, mechanism, review 1233.
fibroblast, apurinic site-specific endonuclease activity/repair,
comparison-normal/Bloom's syndrome 1030.
- ATP**,
analogue, effect on DNA biosynthesis, Ehrlich ascites cell
isolated nucleus 1636.
analogue, effect on DNA ligase activity, phage T4 5286.
analogue, inhibition-bovine pancreas tRNA (tryptophanyl)
synthetase 4768.
analogue, substrate properties-tRNA nucleotidyltransferase
2203.
analogue, substrate specificity, yeast tRNA (threonyl)
synthetase/tRNA (lysyl) synthetase/tRNA (arginylyl)
synthetase 4210.
binding-tRNA(tyrosyl)synthetase 5591.
binding site, affinity labelling, *Escherichia coli* / *Bacillus*
stearothermophilus tRNA (aminoacyl) synthetase 4761.
binding site, pig muscle ATP, X-ray diffraction 572.
complex formation dehydrogenase + platinum 5522.
complex formation-manganese, thermodynamics 134, 135.
content, *Glycine max*, effect of exogenous adenine/adenosine
1267.
content, *glycine max* axes, effect of adenine/adenosine 4684.
content, *Glycine max* axes, effect of adenine/adenosine 4684.
content, human lymphocyte, relationship-adenine deaminase
deficiency 584.
cross-linking-*Escherichia coli* tRNA (aminoacyl) synthetase
177.
effect on DNA biosynthesis, isolated Ehrlich ascites cell
nucleus, DNA characterization 1635.
effect on *Escherichia coli* K12 restriction endonuclease
conformation 6159.
effect on ethionine inhibition-RNA biosynthesis, mouse liver
1447.
formation, poly (A)-containing mRNA 2273.
hydrolysis/photolysis 5525.
interaction-flavin 1828.
interaction-poly (C), effect of pH 3736.
modified analogue, inhibition-*Euglena gracilis* tRNA
(leucyl) synthetase 2572.
NMR, aqueous solution 1295.
phosphorus-32-labelled, preparation 691.
pyrophosphate, transfer-guanosine nucleotide, *Escherichia*
coli stringent factor 2549.
reaction-mesitoic acid anhydride, NMR 5527.
role-psoralen cross-linking removal-*Escherichia coli* DNA
1587.
role-vaccinia virus mRNA biosynthesis 5754.
role-vaccinia virus RNA biosynthesis in vitro 4875.
ternary complex-zinc + aromatic amino acid 5528.
- ATP (8-Azido-1,N⁶-Etheno)**,
synthesis/properties 4153.
- ATP (8-Bromo)**,
Raman spectra 4151.
- ATP (3'-Deoxy)**,
inhibition-nonhistone protein phosphorylation, rat liver 4141.
- ATP arabinoside**,
inhibition-deoxynucleotidyl transferase (terminal)/DNA
polymerase α /DNA polymerase β /DNA polymerase γ ,
kinetics 1137.
inhibition-poly (A) polymerase 4722.
- ATPase**,
activity, purification/characterization, *Escherichia coli* DNA
unwinding enzyme II 1226.
inhibition-nucleotide + mesitylene carboxylic acid anhydride
1736.
mRNA, yeast, isolation/mapping 2626.
- ATPase (DNA-dependent)**,
Bacillus subtilis, purification/characterization 4586.
- Atrioventricular node**,
DNA biosynthesis during cardiogenesis, mouse heart 466.
- Auranofin**,
effect on DNA biosynthesis/protein biosynthesis, human
lymphocyte 2781.
- Aurintricarboxylic acid**,
dimer, binding-*Bacillus subtilis* ribosome 1361.
fractionation component, effect on DNA biosynthesis/RNA
biosynthesis 3217.
inhibition-DNA biosynthesis/DNA polymerase activity in
vitro, mouse ascites sarcoma cell 1721.
inhibition-influenza virus RNA polymerase, mechanism 6171.
inhibition-ribosome binding-microsome membrane, rat liver
5637.
- Autoantibody**,
anti-ribosome, solid-phase radio-immunoassay/incidence-
systemic lupus erythematosus, man 588.
- Autographa californica**,
nuclear polyhedrosis virus, DNA, restriction endonuclease
analysis 5034.
nuclear polyhedrosis virus DNA, properties, comparison-
Trichoplusia ni / *Pseudoplusia includens* / *Rachiplusia ou*
1538.
- Avena sativa**,
germination, DNA/RNA metabolism 2376.
- Avian infectious bronchitis virus**,
ribonucleoprotein, identification 2482.
RNA translation, in vitro 4912.
- Avian leukosis virus**,
RNA, size/gene content 799.
- Avian myeloblastosis virus**,
associated tRNA (guanine-2)-methyl transferase, location/
origin 3377.
DNA polymerase, fidelity-DNA biosynthesis, effect of poly
d(A-T) depurination 1722.
DNA polymerase, interaction-alkyl-agarose matrix 2837.
infected, chicken cell, single-stranded DNA, enrichment-virus-
specific region 1555.
infected chick cell, provirus gene measurement, use
complementary DNA hybridization 886.
nucleoside triphosphatase, purification/characterization 1738.
provirus DNA, isolation, chicken leukaemia cell 5837.
reverse transcriptase, assay 1143.
reverse transcriptase, characterization 2103.
reverse transcriptase, in vitro synthesis-poly(A)-containing
RNA transcript, phage MS2/phage Q β 1139.
reverse transcriptase, inhibition-anthracycline compound
6209.
reverse transcriptase, template activity poly (C), effect of-
magnesium ion/manganese ion 1309.
reverse transcriptase activity, characterization 5272.
reverse transcriptase activity, inhibition-nonprimer tRNA
6208.
rRNA, size/secondary structure 2620.
specific, DNA, localization-leukaemia myeloblast nuclear
DNA 509.
- Avian myelocytomatosis virus MC29**,
reverse transcriptase, activity 6207.

Avian reticuloendotheliosis virus, infectious DNA, integration site-avian cellular DNA 3988.

Avian retrovirus, DNA biosynthesis, role-5'-terminal repetitive RNA 5093.

Avian sarcoma virus, DNA, integration-transformed mammalian cell 1071.

DNA, occurrence, infected cell cytoplasm 1482.

DNA biosynthesis kinetics/purification/structure, infected quail tumour cell 3569.

DNA intermediate, structure 5014.

gene (src), role-transformation, review 3320.

genome, RNase H, 5'-terminal hydrolysis during reverse transcription 4923.

infected cell, cytoplasm, size/composition-virus specific RNA 1402.

mRNA translation, initiation site 831.

reverse transcriptase, primer-tRNA Trp + DNA template + primer complex, DNA transcript size, effect of temperature 6049.

specific RNA, purification/characterization, infected chick embryo cell 5684.

5'-terminal genome sequence, splicing-virus specific RNA, infected cell 4863.

transforming gene, related RNA, occurrence-uninfected avian cell 2242.

transforming gene related RNA, uninfected avian cell, characterization 2258.

translation-RNA 35S/subgenomic region 1954.

Avidin, binding-chromatin 609.

biosynthesis, induction-*Lacerta s. sicula* RNA 325.

Azotobacter vinelandii, AMP nucleosidase, inactivation-phosphates, kinetics 553.

nitrogen fixation-defective mutant, transformation-*Rhizobium* DNA 5186.

RNA polymerase, inhibition-Cibacron blue F3GA 1108.

Babesia divergens, purine/pyrimidine uptake 4693.

Babesia major, purine/pyrimidine uptake 4693.

Babesia microti, purine/pyrimidine uptake 4693.

Babesia rodhaini, purine/pyrimidine uptake 4693.

Bacillus, DNA homology 5042.

interspecies transformation 3604.

sporulation, role-ribosome 4789.

Bacillus amyloliquefaciens, extracellular mRNA accumulation following transcription inhibition 4906.

restriction endonuclease, purification/characterization 6157.

Bacillus brevis, DNA biosynthesis, inhibition-amethopterin 1035.

plasmid DNA, isolation/characterization 5834, 5968.

plasmid pAD1, isolation/characterization 5895.

Bacillus cereus, 5'-nucleotidase, purification/characterization 6218.

transcription during spore growth, DNA restriction endonuclease EcoRI fragment analysis 5934.

Bacillus licheniformis, phage DNA, degradation-restriction endonuclease EcoRI 485.

RNA5S gene, heterogeneity-*Bacillus subtilis* /*Bacillus Q* 955.

Bacillus megaterium, DNA nicking-closing enzyme, purification/characterization 3637.

ribosomal subunit precursor, effect of detergent 2591.

spore, DNA content, effect of growth medium 3856.

Bacillus polymyxa, polymyxin biosynthesis, relationship-transcription 5726.

Bacillus popilliae, DNA/RNA/protein biosynthesis during growth 2370.

Bacillus Q, RNA5S gene, heterogeneity-*Bacillus subtilis* /*Bacillus licheniformis* 955.

Bacillus rossius, endonuclear bodies, RNA biosynthesis/DNA biosynthesis 421.

Bacillus stearothermophilus, DNA apurinic site-specific endonuclease, purification/properties 6130.

protein biosynthesis inhibition factor, purification/characterization, role-ribosomes stability 204.

ribosomal protein, binding site, RNA 5S 5704.

ribosomal protein L13 + ribosomal protein L8 complex, characterization 5615.

ribosome, translation specificity 2222.

tRNA (aminoacyl) synthetase, affinity labelling-ATP binding site 4761.

tRNA (arginy) synthetase, characterization 4207.

tRNA (tryptophanyl) synthetase, amino acid sequence 183.

tRNA (tryptophanyl) synthetase, sequence homology-*Escherichia coli* 2202.

rRNA (5S), ribosomal protein binding site 4290.

tRNA Phe, nucleotide sequence 2989.

tRNA Tyr, nucleotide sequence 2565.

tRNA Tyr-tRNA (tyrosyl) synthetase complex, detection 5590.

rRNA 23S, binding-*Escherichia coli* ribosomal protein L1, nucleotide sequence 5705.

RNA 5S, binding-complementary oligonucleotide, identification-single-stranded region 3445.

Bacillus subtilis, adenosine phosphorylase, properties 4032.

assay system, 4-nitroquinoline oxide, effect on DNA 1516.

ATPase (DNA-dependent), purification/characterization 4586.

attachment-transforming DNA, binding site conformation, effect of temperature 3247.

2-bromo-2-chloro-1,1-difluoroethane, mutagenesis 5865.

chromosome, UV-irradiation-induced mutagenesis 6293.

chromosome initiation mutant, RNA biosynthesis/protein biosynthesis 851.

component, complex-nonintegrated transforming DNA 2054.

detergent treated, DNA biosynthesis 5128.

DNA, association-cell wall 4475.

DNA, binding-cell surface, role-cell division 1659.

***Bacillus subtilis*, (continued)**

- DNA, cloning, use plasmid pUB110 5190.
 DNA, uptake-*Hordeum vulgare* 5163.
 DNA biosynthesis, initiation/regulation, review 4682.
 DNA biosynthesis, relationship-glucose starvation 5130.
 DNA biosynthesis mutant, effect on UV-irradiation mutability 6023.
 DNA-membrane complex, characterization 5936.
 DNA methylase, purification/characterization 1741.
 DNA N-glycosidase-defective, DNA, incorporation-dUTP 2957.
 DNA polymerase, inhibition-dextran sulphate DNA contamination 5258.
 DNA polymerase III content during growth 1134.
 DNA-protein complex, characterization 3306.
 DNA receptor, specificity 1803.
 DNA release, genetic marker enrichment 1643.
 DNA release during transformation, role-spore outgrowth 6081.
 DNA repair defect 6024.
 DNase, manganese-stimulated, production during sporulation 4007.
 DNase, purification/characterization 6151.
 endonuclease S1-sensitive single-stranded DNA, characterization 1542.
 excision-repair gene, mapping 1541.
 exonuclease, identification, activity-irradiated DNA 1673.
 folded chromosome, characterization 3675.
 gene (recA) mutant, UVirradiation-treated, DNA repair/degradation 2025.
 gene (recA) mutant, transformation, restriction-like activity 2063.
 high-molecular weight DNase, properties 4559.
 intracellular DNase activity, during growth/cell division 4002.
 UV-irradiation-treated, phage ϕ 29, mRNA biosynthesis/properties 3827.
 leucine gene, cloning-*Escherichia coli* plasmid RSF2124 2416.
 minicell, phage SPO1/phage SP82G mRNA translation 5789.
 mutant (dna Ts), plasmid pUB110 replication 5085.
 mutation (recC4), effect on fate-DNA 3596.
 nucleoid DNA, isolation/characterization 3864.
 phage ϕ 105-infected, DNA transfection activity/structure 6103.
 phage ϕ 105 superinfection, phage DNA degradation 4473.
 phage M2, genome DNA, mapping 1531.
 phage SPO1 DNA, cleavage-restriction endonuclease EcoRI 6160.
 phage SPO1-modified RNA polymerase, promoter recognition 3622.
 phage SP82/phage SPO1/phage ϕ e, DNA characterization 5913.
 plasmid, detection/characterization 4372.
 plasmid pAT2010, hybrid, cloning/transcription-*Escherichia coli* 2789.
 plasmid pC194 DNA cloning 3981.
 recombinant plasmid, construction/replication 6098.
 ribosomal protein gene, role-sporulation regulation 6121.
 ribosomal protein gene mapping 5945.
 ribosomal subunit 30S activity during sporulation 215.
 ribosome, binding-aurintricarboxylic acid dimer 1361.
 ribosome changes during sporulation, chromatography (affinity) analysis 3778.
 tRNA, anticodon loop structure modification during development 4747.
 tRNA, uridine (5-methoxy)/uridine-5-oxoacetic acid biosynthesis 5562.
 RNA biosynthesis, inhibition-granaticin B 1947.
 tRNA Lys, nucleotide sequence 1331.
 RNA polymerase, binding-phage SPO1 DNA, effect of transcription inhibitory protein 5249.
 RNA polymerase, lipiarmycin-resistant mutant, characterization 2091.
 RNA polymerase, modification-phage SP82, effect on-transcription specificity 5245.
 RNA polymerase, peptide 21K, role-RNA biosynthesis 521.
 RNA polymerase, phage SPO1-modified subunit, purification 2829.
 RNA polymerase, rifamycin binding site arrangement 2457.
 RNA polymerase, β' -subunit, role-streptolydigin resistance 6168.
 RNA polymerase activity, role-delta/sigma factor 5242.
 RNA polymerase activity, synthesis-poly (A-U) 6170.
 RNA 5S gene, heterogeneity-*Bacillus licheniformis*/*Bacillus* Q 955.
 RNase M5, model substrate 6148.
 single-stranded DNA-specific exonuclease, purification/characterization 6152.
 sphaeroplast, DNA, pyrimidine dimer quantitation 5942.
 sporulation initiation, role-adenosine hexaphosphate 3732.
Staphylococcus aureus plasmid-transformed, DNA transformation 3904.
 temperature-sensitive mutant, DNA biosynthesis 2371.
 temperature-sensitive mutant, termination-DNA replication cycle 2741.
 thymine-requiring mutant, uracil incorporation 5436.
 TMP synthetase, characterization 4043.
 transfection-phage ϕ 29 DNA, dose response 1640.
 transformation, heterologous DNA 1657.
 transformation, identification-DNA intermediate 2068.
 transformation, initiation, energy dependence 2420.
 transformation, mouse abdomen, effect of bovine DNase I 1106.
 transformation, recombination intermediate, characterization 2722.
 transforming DNA, activity, effect of X-irradiation 5872.
 transforming DNA, effect of restriction endonuclease EcoRI 3617.
 transforming DNA, photodynamic action-fluorescein 2414.
 translation modification, during sporulation 747.
 tRNA (phenylalanyl) synthetase, inhibition-ochratoxin A 741.
- Bacillus subtilis* G,**
 purification-restriction endonuclease 1695.
- Bacillus thuringiensis*,**
 identification-extrachromosomal DNA 3857.
 phage DNA, degradation-restriction endonuclease EcoRI 485.
 phage g3/phage g8/phage g12/phage g16/phage g18 DNA, characterization, comparison 4434.
 plasmid, characterization 3152.
 RNA polymerase, inhibition- β -exotoxin 5246.

- Bacteria**,
see also **various species**
antibiotic-producing, R factor gene DNA, relationship-R factor 5045.
DNA, att site structure 928.
DNA, uptake-human cell culture 3592.
interaction-DNA/RNA, review 5394.
methanogenic, classification, $\langle r \rangle$ RNA 16S characterization 260.
recombination, review 2914.
ribosomal protein S1 distribution 760.
rRNA electrophoresis, comparison-*Mycoplasma* / *Acholeplasma* 808.
virus transformation/transfection, book review 1808.
- Bacteroides**,
DNA, base composition 954.
DNA homology 5046.
DNA homology 5049.
- Bacteroides melaninogenicus**,
phosphosphingolipid biosynthesis, role-nucleoside 5478.
- Bacteroides thetaiotaomicron**,
transfection-phage β 1 DNA 1066.
- BALB/c cell**,
DNA damage/repair, effect of N-diazoacetyl glycine amide 2761.
- BALB/c 3T3 cell**,
DNA biosynthesis transition, plasma dependence 4519.
normal/SV40-transformed, DNA replication site 1565.
RNA turnover 332.
- BALB/3T3 cell**,
DNA biosynthesis, inhibition-cycloheximide, mechanism 489.
early RNA accumulation, effect of polyoma virus temperature-sensitive mutant 4318.
normal/murine sarcoma virus-transformed, characterization-poly(A)-containing RNA 802.
- Balbani ring**,
Chironomus, RNA 75S, distribution-cytoplasm 4354.
Chironomus tentans, RNA transport 5783.
Chironomus tentans salivary gland, RNA 75S transcription unit, relationship-chromosome structure 6284.
RNA, content/half-life, *Chironomus tentans* 3030.
RNA 75S, association-endoplasmic reticulum, *Chironomus tentans* salivary gland 5782.
- Barley**,
see also *Hordeum*
embryo, tRNA Phe, binding-magnesium ion 1334.
embryo, tRNA Phe binding-monovalent cation, fluorescence 172.
leaf, DNA/RNA content, effect of flood/vitamin PP 2249.
protoplasts, fate-bacterial DNA 6085.
RNA biosynthesis/RNase activity, effect of ascorbic acid/gibberellic acid/indole-acetic acid 3471.
tRNA Leu characterization 4191.
- Barley stripe mosaic virus**,
RNA, isolation following electrophoresis 2609.
- Basalioma**,
nucleus, DNA content, determination 1322.
- Base**,
analysis, use-chromatography (high performance liquid) 78.
composition, DNA, effect on pressure stability 919.
free, stacking interaction 3149.
interaction-amino acid 3702.
methylated, tRNA, separation-chromatography (high performance liquid) 637.
- Base-pair**,
content, t RNA, determination, i.r.- spectroscopy 169.
replacement, role-DNA biosynthesis fidelity 2740.
- BCNU**,
induction-DNA strand breakage, normal/transformed human cell 1981.
- Bdellovibrio bacteriovorus**,
viability/cell composition, effect of DNA/RNA components 2539.
- Bean**,
seedling, aminophosphatidylglycerol biosynthesis, role-tRNA (aminoacyl) 3376.
- Bean golden yellow mosaic virus**,
DNA characterization 949.
- Bellevia dubia**,
rRNA gene content 1084.
- Bellevia romana**,
rRNA gene content 1084.
- Benecke harveyi**,
gene, cloning-*Escherichia coli* 2795.
- Benzamidine**,
synthesis-pyrimidine 645.
- Benzene**,
binding-rat liver DNA 1502.
- Benzimidazole**,
derivatives, effect on RNA biosynthesis, review 5365.
dye, use-DNA assay 348.
inhibition-RNA biosynthesis/protein biosynthesis, *Trypanosoma cruzi* 3473.
- Benzo(a)pyrene**,
activation-human lung cell, mutagenesis, Chinese hamster cell 4962.
activation-microsome/nuclear envelope, binding-DNA/RNA/histone/nonhistone protein 1977.
binding-DNA, activation-cytochrome P450 5856.
binding-DNA, dose-response relationship, rat liver 4960.
binding-DNA, human colon mucosa 906.
binding-DNA, inhibition-harman/norharman 3134.
binding-DNA, rat liver nucleus, effect of benzo(a)pyrene hydroxylase inhibitor/inducer 1505.
binding-DNA, specificity-guanosine(deoxy)/adenosine (deoxy) 1971.
binding-DNA/histone, rat liver/lung 2691.
binding-DNA/RNA, hamster embryo cell culture 3501.
binding-DNA/RNA, rat liver 4967.
derivative, formation during β -glucuronidase hydrolysis-benzo(a)pyrene-3-glucuronide, binding-DNA 1975.
DNA adduct, characterization, human lung tissue 2322.
effect on DNA biosynthesis, mouse epidermis 2392.
induced damage, DNA repair, mammalian cell 2036.
metabolite, binding-DNA 1501.
metabolite, binding-DNA, mouse liver microsome 4963.
metabolite, modification-plasmid Col EI/SV40 DNA 2318.
- Benzo(a)pyrene diol epoxide**,
induced, damage, DNA repair, human alveolar tumour cell 6035.
interaction-DNA, purification-adduct 2687.
interaction-phage R17/phage T7 DNA 5858.
modification-guanlyl (-3,5-) uridine, effect on conformation, circular dichroism 2968.
strand breakage-plasmid ColEI DNA 406.
- Benzo(a)pyrene hydroxylase**,
inhibitor/inducer, effect on benzo(a)pyrene binding-DNA, rat liver nucleus 1505.

- Benzo(a)pyrene-3-glucuronide**,
hydrolysis- β -glucuronidase, benzo(a)pyrene derivative
formation, binding-DNA 1975.
- 7,8-Benzoflavone**,
treatment, effect on DNA binding-7,12-
dimethylbenz(a)anthracene, hamster embryo cell 5860.
- Benzo[b]1,5Naphthyridine**,
derivative, binding-DNA 3888.
- Berberine**,
derivative, interaction-DNA 3882.
- Berenil**,
effect on *Leishmania tarentolae* DNA 510.
- Beromycin**,
complex formation-DNA, inhibition-RNA biosynthesis 408.
- BHK cell**,
DNA biosynthesis, effect of chromic chloride/potassium
dichromate 3224.
- DNA replication, stimulation-dadenosine tetraphosphate
2558.
- herpes simplex virus 1 infected, RNase (endo)/RNase (exo)
activity during DNA biosynthesis 5216.
- herpes simplex virus 2 temperature-sensitive mutant infected,
DNase (alkaline) activity 4006.
- reversibly permeable, DNA biosynthesis 6072.
- temperature-sensitive mutant, RNA biosynthesis 3455.
- BHK-21 cell**,
DNA/RNA/protein biosynthesis, effect of potassium
dichromate 2053.
- RNA biosynthesis, inhibition- α -amanitin 4330.
- Semliki Forest virus-infected, RNA 26S/RNA 42S
biosynthesis, control mechanism 3076.
- Biotin**,
treatment, effect on DNA/RNA/histone content, rat liver
1043.
- 2,2'-Bipyridyl**,
ternary complex-metal ion + UTP, stability 4159.
- Bipyrimidine**,
synthesis 3339.
- Bis(thiosemicarbazonato)**,
copper(II) complex, effect on DNA biosynthesis, Ehrlich
ascites tumour cell 2408.
- Bisulphite**,
effect on DNA biosynthesis, chick embryo fibroblast 5151.
- effect on yeast RNA, NMR 792.
- interaction-uridine/uridine (5-fluoro)/UMP, NMR 5472.
- BK virus**,
DNA, restriction endonuclease cleavage mapping 5925.
- DNA cleavage, restriction endonuclease, mapping 383.
- DNA sequence, absence-human tumour/malignant cell line
4373.
- DNA transcription, *Escherichia coli* RNA polymerase 3264.
- mini chromosome, in vitro transcription 5347.
- replication origin, DNA nucleotide sequence, comparison
SV40 3540.
- Blaberus**,
DNA synthesis, effect of inokosterone moulting hormone/
mitomycin C 5096.
- Bladder**,
carcinoma, human, DNA content, relationship-histology/
prognosis 1967.
- mouse, DNA biosynthesis, effect of dibutylnitrosamine 4493.
- Blast cell**,
human leukaemia, pyrimidine nucleoside monophosphate
kinase, characterization 2849.
- Blasticidin S**,
mediated resistance, *Phytophthora megasperma* infection,
Glycine max hypocotyls, role-mRNA biosynthesis/protein
biosynthesis 279.
- Blastoderm**,
embryos, chickens, cardiac-like action potentials, induction-
RNA-enriched fractions, heart, adults 301.
- Bleomycin**,
binding-DNA 5854.
- cleavage-DNA, mechanism 902.
- cobalt chelate, binding-Ehrlich ascites carcinoma DNA 1969.
- degradation-DNA 5846.
- degradation-DNA, effect of chelating agent/metal ion 5845.
- effect on DNA biosynthesis, mammalian epidermis 3212.
- effect on nucleosome release, chromatin 1201.
- effect on phage ϕ X174 superhelical DNA 5849.
- fragmentation-phage PM2 double stranded DNA 4951.
- inhibition-DNA polymerase/RNA polymerase, review 3322.
- interaction-DNA, effect of thermal neutrons 2315.
- production-double-stranded breakage, plasmid ColEI/phage
T2 DNA 384.
- Bloom's syndrome**,
fibroblast, apurinic site-specific endonuclease activity/repair,
comparison-normal/ataxia telangiectasia 1030.
- Blue-green algae**,
rRNA sequence homology, relationship-evolution 4295.
- Bombyx mori**,
DNA, silk fibroin genes, mapping 399.
- elongation factor 1, subunits reassociation 218.
- embryo, occurrence dormant polyribosome during diapause
3775.
- low-molecular weight DNA, origin/fate during
metamorphosis 887.
- midgut, RNA biosynthesis during development 4897.
- nuclease, comparison-midgut/digestive juice 2077.
- nuclease, inhibition-leucine 2075.
- pupal gonad, DNA, characterization 5061.
- purification/properties-elongation factor EF1 subunit 1382.
- tRNA precursor, identification 3373.
- rRNA 18S primary structure, comparison-*Dictyostelium*
discoideum /mouse/wheat germ 4296.
- silk fibroin gene, cloning 2069.
- silk gland, DNA/RNA content 321.
- silk gland, tRNA Gly, nucleotide sequence 1333.
- silk gland, tRNA Gly, nucleotide sequence 4749.
- silk gland, tRNA precursor processing, effect of formycin
1327.
- testis, histone analysis 6244.
- Bone marrow**,
cell, human, DNA biosynthesis, stimulation-NAD 4516.
- cell, normal/leukaemia mouse, distribution-deoxynucleotidyl
transferase (terminal) 1730.
- chicken, ribosome crystallization-hypothermia 212.
- erythroid cell, rabbit, mRNA precursor, structure 3058.
- erythroid-enriched, mouse, globin mRNA precursor 4806.
- human, DNA biosynthesis, effect of phenytoin 6067.
- irradiated, haematopoietic stem cell, effect of DNA 1056.
- lymphocyte, T-lymphocyte-specific antigen, induction-
thymus RNA 3484.
- rat, DNA content during hypoxia adaptation 358.
- rat, DNA polymerase activity, effect of irradiation/
exogenous DNA 1715.
- Book review**,
animal virus 628.
- plant RNA biosynthesis/DNA biosynthesis/protein
biosynthesis 629.

- Boron**,
effect on rRNA metabolism, *Helianthus annuus* 2299.
- Botryodiplodia theobromae**,
RNA/DNA biosynthesis during spore germination 3823.
spore, poly (A)-containing mRNA, in vitro translation 4915.
- Botrytis cinerea**,
conidiogenesis, effect of uridine(5-fluoro-2-deoxy)/uridine(6-aza)/miracil/uracil(5-fluoro) 684.
- Bovine**,
thymus, poly(ADP-ribose) polymerase product, characterization 1321.
- Bovine leukaemia virus**,
detection, use-reverse transcriptase assay 2467.
DNA, provirus distribution, mammalian enzootic bovine leucosis tissue 5806.
- identification, use-DNA polymerase (RNA dependent) detection, cattle 1732.
- 60-70S RNA, translation *Xenopus laevis* 5792.
- Bovine mamillitis virus**,
DNA, nucleotide sequence size/arrangement 5015.
DNA, restriction endonuclease mapping 1540.
- Bovine rhinotracheitis virus**,
DNA, fixation, chromic acid + formaldehyde 3523.
DNA replication 2379.
- Brain**,
chromatin subunit organization 3301.
development, rat, thymidine kinase/thymidylate synthetase activity, effect of undernutrition 2118.
inbred rat, RNA/DNA content 824.
nucleus, histone methylation, rat 1180.
rabbit/guinea pig/rat, nonhistone protein content 4622.
rat, chromatin, effect of laser irradiation 6260.
rat, DNA biosynthesis/RNA biosynthesis during development, effect of hydrocortisone/ACTH/aldosterone/thyroxine 5098.
rat, neuron/glia nucleus, regulation-RNA biosynthesis 3454.
rat, poly(A)polymerase activity, inhibition-carbon monoxide 163.
rat, RNA, sequence diversity, effect of environment 2268.
rat, RNA biosynthesis/DNA biosynthesis during development 3190.
rat, RNase(alkaline)/RNase(acid) activity during development 539.
rat, RNase H activity during development 4001.
- Brassica napus**,
seed, RNA biosynthesis during imbibition 3459.
- Brassica oleracea**,
RNA polymerase II, purification/structure 2833.
RNA polymerase III, characterization 2834.
- Brassica pekinensis**,
DNA, rRNA gene distribution 2737.
- Brassica rapa**,
protoplast, cauliflower mosaic virus replication/transcription 5095.
- Breast cancer**,
serum 5'-nucleotidase activity 3273.
- Breast carcinoma**,
DNA biosynthesis, effect of uracil(5-fluoro)/uridine(5-fluoro-2'-deoxy) 303.
- Brevibacterium albidum**,
endonuclease, purification/characterization 1102.
- Brevibacterium flavum**,
phage ϕ B, DNA, characterization 3524.
- Brevibacterium luteum**,
endonuclease, purification/characterization 4546.
- Broad bean**,
shoot, RNA (DNA-like), fractionation-chromatography (MAK column) 785.
- Brome mosaic virus**,
RNA biosynthesis, in vitro, effect of ethidium bromide/acridine orange 850.
RNA genome, expression in vitro, regulation-translation 4336.
RNA/nucleoprotein composition following replication, *Chenopodium hybridum* 4601.
RNA-protein reconstitution 5361.
RNA structure, small-angle neutron scattering 5700.
- Bromoacetanilide**,
interaction-adenosine (N^6 -(N-threonylcarbonyl)) 67.
- Bromocriptine**,
effect on DNA biosynthesis, rat pituitary gland 6016.
- 7-Bromomethylbenz(a)anthracene**,
treated, Chinese hamster cell/HeLa cell, DNA excision repair 1609.
effect on Chinese hamster cell post-replication repair, inhibition-caffeine 1025.
treated, Chinese hamster cell, DNA repair, inhibition-caffeine 5112.
- Bruceantin**,
inhibition-peptide bond formation, during protein biosynthesis 3023.
- Brucella abortus**,
infection, mice, poly (A·U), effects on 157, 158.
- BSC-1 cell**,
histone biosynthesis during SV40 infection 1758.
transcription-SV40 DNA 294.
- Bufo marinus**,
urinary bladder, RNA biosynthesis, stimulation-aldosterone, effect of adenosine (3'-deoxy) 4872.
- Bufo viridis**,
DNA content 3117.
- Bull**,
semen, DNA content 890.
- Bunyamwera virus**,
RNA, physical properties 251.
- Burkitt's lymphoma**,
cell line, characterization-Epstein Barr virus DNA 5016.
epithelial cell hybrid, transcription-Epstein-Barr virus genome 1421.
- Burns**,
effect on RNase (alkaline) activity, urine 1682.
- Bursaria truncatella**,
chromatin structure 1773.
- N-Butyl-N-(4-hydroxybutyl)nitrosamine**,
induction-DNA damage, rat bladder epithelium 3955.
- N-Butyl-N-nitrosourea**,
induction-leukaemia, chromosomes, rats 636.
- tert-Butyldiphenylsilyl**,
protecting group, use-polynucleotide synthesis/separation 2961.
- 1,3-Butylene sulphate**,
mutagenesis, *Salmonella typhimurium* 3505.
- n-Butyrate**,
effect on histone acetylation, HeLa cell/Friend cell/erythroleukaemia cell 1762.
inhibition-deoxynucleotidyltransferase (terminal), mechanism 6202.
- Butyric acid**,
effect on α -globin/ β -globin mRNA accumulation, mouse erythroleukaemia cell 333.

- C-type virus**,
 see also **Oncornavirus**
 assembly, model 2501.
 content/role-?tRNA, review 22.
 endogenous, *Aotus trivirgatus*, isolation/characterization 3805.
 gene recombination, mechanism 3241.
 high-molecular weight RNA dimer structure 4278.
 human, gene transfer, review 21.
Mustela vison lung cell line, characterization 4824.
 related gene, detection, human sarcoma/leukaemia DNA 5819.
 replication-defective, helper 5'-terminal nucleotide sequence conservation 5924.
 RNA, isolation, use guanidine-HCl 4815.
 RNA-binding protein/genome binding site, comparison-RD-114 virus 3678.
C-type virus (baboon),
 provirus DNA, susceptibility, productively infected cell 3973.
 rescue-endogenous oncornavirus RNA 30S sequence, mouse cell 3848, 4350.
C-type virus (mammalian),
 lysate, RNase H activity 5224.
C-type virus (rat),
 reverse transcriptase/RNA, characterization 5270.
Cadang-cadang disease,
Cocos nucifera, RNA transmission 875.
Cadmium,
 modification-RNA biosynthesis, *Physarum polycephalum* 4894.
Cadmium chloride,
 complex formation-nucleosides 81.
 effect on polyribosome structure/function, mouse liver 2216.
Cadmium ion,
 CMP complex, X-ray diffraction 5534.
 effect on *Escherichia coli* B DNA 2682.
 interaction-*Escherichia coli* tRNA 716.
Caenorhabditis elegans,
 mutant, DNA biosynthesis/cell cycle 3942.
 RNA biosynthesis during oogenesis 4309.
Caesium trichloroacetate,
 resolution-RNA/DNA 3426.
Caffeine,
 biological activity, review 1813.
 effect on cytomegalovirus replication, normal/UV-irradiation-treated human embryo lung/kidney cell 6020.
 effect on DNA postreplication repair, *Escherichia coli* K12 2024.
 effect on DNA repair, X-irradiation, mammalian cell 1605.
 effect on *Escherichia coli* DNA polymerase I 6188.
 effect on ethyl methanesulphonate-induced chromosome aberration, *Pterotheca falconeri* 1214.
 effect on UV-irradiation induced DNA repair, yeast 5107.
 effect on X-irradiation inhibition-DNA biosynthesis, HeLa cell 2039.
 effect on SV40 induction/DNA repair, transformed hamster kidney cell 5108.
 inhibition-DNA repair, 7-bromomethylbenz(a)anthracene-treated Chinese hamster cell 5112.
 inhibition-7-bromomethylbenzanthracene effect on post-replication repair, Chinese hamster cell 1025.
Calcium,
 effect on histone/nonhistone protein phosphorylation, relationship-age 3292.
 enhancement-poly (I-C)-induced interferon production, L929 cell 4734.
 treatment, *Escherichia coli*, effect on exogenous DNA penetration 5157.
Calcium-binding protein,
 mRNA, regulation-1,25-dihydroxyvitamin D3, chicken 5750.
Calcium ion,
 association-DNA biosynthesis initiation, 3T3 cell 6073.
Calcium phosphate,
 stimulation-DNA biosynthesis, 3T3 cell 5150.
Calf,
 eye lens polyribosome, β -crystallin biosynthesis, cell-free system 219.
 lens, α -crystallin mRNA, bicistronic nature 2664.
 nucleus, repetitive DNA, restriction endonuclease cleavage site, relationship-chromatin subunit 2493.
 spleen, exonuclease, preparation 1674.
 thymus/liver/spleen/kidney, high-mobility-group nonhistone protein, tissue specificity 6257.
 tissue, rRNA precursor/mRNA/RNA, content 3837.
Calf thymus,
 adenosine deaminase, characterization 3635.
 chromatin, DNA, sequence specific interaction-histone 3303.
 chromatin, histone H1-depleted, isolation-nucleosome 2132.
 deoxyribonucleoprotein, dissociation, effect of noradrenaline 4050.
 deoxyribonucleoprotein, occurrence iron/nickel/copper/zinc 1754.
 DNA, binding-BP diepoxide/1-pyrenyloxirane, characterization 5864.
 DNA, binding- β -propiolactone, adenine (1-(2-carboxyethyl)) formation 1503.
 DNA, complex formation-fluorescein mercuric acetate, kinetics 1515.
 DNA, fractionation, use-histone binding 4387.
 DNA biosynthesis, inhibition-captan 6065.
 DNA/histone, interaction-captan/folpet 5307.
 DNA polymerase α , purification/characterization 2840.
 double-stranded DNA, photosensitization-proflavine, effect of sulphur compound 4957.
 high-mobility-group nonhistone protein, conformation/interaction-DNA 4089.
 high mobility group nonhistone protein, purification/characterization 6253.
 histone-DNA complex, effect of polyamine 3296.
 histone H2A fragment, synthesis 6242.
 histone H4, secondary structure 1185.
 low molecular weight peptide, inhibition-RNA biosynthesis, human leukaemic/phytohaemagglutinin-stimulated leukocyte/Friend cell 862.
 nonhistone protein, inhibition RNA biosynthesis in vitro 2129.
 nonhistone protein, ubiquitin isolation/identification 5317.
 nucleosome, binding-additional histone 4631.
 nucleosome, structure, use-histone H2B/histone H3/histone H4 antibody 2496.
 poly (ADP-ribose) polymerase, purification/properties 1320, 1871.
 polynucleotide kinase, purification/characterization 2106.
 ribonuclease H, purification, methodology 506.
 RNA polymerase B, role-fraction S protein 1713.
 RNA polymerase II, phosphorylation-protein kinase (cyclic AMP-dependent) 2461.

Calf thymus,(continued)

RNA polymerase II stimulatory factor, purification/characterization 3625.

RNA polymerase III. RNA synthesis in vitro 1707.

***Calliphora erythrocephala*,**

RNA biosynthesis, effect of chromosome polytenization 3070.

***Calliphora vicina*,**

calliphorin mRNA, occurrence during development 234.

calliphorin mRNA, translation/analysis 313.

DNA/RNA/protein biosynthesis, effect of ecdysterone 4485.

Calliphorin,

mRNA, occurrence during *Calliphora vicina* development 234.

mRNA. *Calliphora vicina*, translation/analysis 313.

Camptothecin,

effect on ribonucleoprotein accumulation, rat liver cell 1175.

Cancer,

see also **specific types**

cervical, epithelium, DNA content 3234.

cervix, human, thymidine labelling index 1033.

human, association-repair deficiency, review 2918.

human, cytoplasmic RNA, sequence homology 1416.

***Candida albicans*,**

cytosine (5-fluoro), antifungal activity, mechanism 4694.

DNA biosynthesis/RNA biosynthesis, effect of cytosine (5-fluoro) 479.

DNA/RNA, homology *Kluyveromyces* 5053.

membrane, binding-ribosome 5635.

RNA biosynthesis/protein biosynthesis, effect of-AMP (cyclic) 853.

***Candida guilliermondii*,**

DNA, isolation/characterization 4945.

***Candida lipolytica*,**

DNA, isolation/characterization 4945.

***Candida tropicalis*,**

DNA, isolation/characterization 4945.

DNA, secondary structure, effect of N-methyl-N'-

nitrosoguanidine/N-methyl-N'-nitrosoourea/N-ethyl-N'-nitrosoourea 959.

***Candida utilis*,**

DNA/RNA content, effect of temperature 4931.

tRNA Leu, nucleotide sequence 4748.

RNA/protein biosynthesis, effect of copper ion/pH 4891.

Cannabinoid,

derivative, effect on DNA biosynthesis, mouse leukaemia 2784.

***Capsicum annum*,**

nucleohistone complex during embryogenesis 2128.

seedling, DNA biosynthesis/RNA biosynthesis, effect of γ -irradiation 1616.

***Capsicum pubescens*,**

nucleohistone complex during embryogenesis 2128.

Captan,

inhibition-DNA biosynthesis, calf thymus 6065.

interaction-DNA/histone, calf thymus/rat liver 5307.

***Carassius auratus*,**

optic tectum, RNA distribution following labelled uridine injection 305.

protein biosynthesis, role-memory 3000.

RNA biosynthesis, association-memory 1940.

***Carassius morosus*,**

DNA reduplication, induction-temperature 2768.

3-Carboxoxypsoralen,

preferential deletion-mitochondrial DNA region,

Saccharomyces cerevisiae 5866.

Carbon monoxide,

inhibition-rat brain poly(A)polymerase 163.

Carbon tetrachloride,

effect on DNA methylation-dimethylnitrosamine, rat liver 2031.

 γ -Carboxyglutamic acid,

occurrence, mammalian ribosome 3776.

Carboxylic acid,

interaction-adenine derivative 2522.

Carcinogen,

see also **specific compounds**

effect on DNA biosynthesis 6046.

effect on DNA repair/replication, liver 6031.

induced DNA repair, during meiotic maturation, mouse oocyte 5113.

induction-unscheduled DNA biosynthesis, human skin epithelium 6037.

induction-unscheduled DNA biosynthesis, hepatocyte culture, collagen membrane 6044.

metal, effect on DNA biosynthesis fidelity 2023.

Carcinogenesis,

diethylnitrosamine-induced, correlation-DNA repair, rat 6029.

relationship-DNA repair 4672.

relationship-DNA repair, review 5391.

Carcinoma,

see also **specific types**

bladder transitional cell, chromatin content/distribution, computer assisted analysis 1211.

cell line, pluripotent embryonal, polysomal/nuclear RNA, base sequence complexity 2632.

embryonal, polyribosomal poly(A)-containing RNA, comparison-myogenic/erythropoietic cell line 271.

hormone secreting, mRNA translation product, identification 3112.

human bladder, DNA content, comparison-normal mucosa 892.

human bladder, DNA content, relationship-histology/prognosis 1967.

renal cell, treatment-immune RNA 3105.

tRNA methylase activity, comparison-rat/kidney 731.

tRNA methylase specificity-tRNA Val, comparison-rat kidney 732.

***Carcinus maenas*,**

ovary/testis, tRNA methylation, inhibition-androgenic gland extract 721.

Carminomycin,

effect on glycogen/DNA/RNA content, mouse cardiac muscle 842.

Carnation etched ring virus,

DNA, characterization 2354.

Carnation ringspot virus,

single-stranded/double-stranded RNA, properties 868.

Casein,

biosynthesis, inhibition progesterone, rat mammary gland, during pregnancy 2648.

mRNA, detection-hormone-dependent rat mammary gland tumour 1389.

mRNA, effect of prolactin/glucocorticoid, rabbit mammary gland 3079.

mRNA, inhibition-progesterone, rat mammary gland, during pregnancy 2648.

Casein, (continued)

mRNA, regulation-suckling/corticosteroid 2289.
mRNA, stabilization-prolactin/glucocorticoid, rabbit 4357.
mRNA biosynthesis, regulation-hormone, mouse 5746.

Cassava latent virus,

characterization-DNA 3541.

Castration,

effect on prostatic binding protein <?m>RNA activity, rat prostate gland 338.

Cat,

cell, occurrence-feline leukaemia virus genome DNA 5931.

Catecholamine,

interaction-adenine nucleotide, effect of metal ion, NMR 138.

Catfish,

pancreas, poly (A)-containing mRNA, isolation/purification 2251.

Cation,

see also **specific ions**

effect on DNA biosynthesis/cation content, chick embryo fibroblast 491.

effect on elongation factor G-GDP-ribosome complex turnover 1375.

effect on elongation factor G GTPase activity regulation 5645.

effect on tRNA structure, NMR 1329.

Cattle,

blood, DNA/RNA content, effect of leukosis 3496.

DNA, base composition, electron microscopy, relationship-chromosome banding 5965.

DNA methylation during leukosis 2051.

normal/chronic lymphatic leukaemia, lymphocyte, nucleus degradation-DNase I 5230.

RNase, reduced denatured, refolding 5209.

Cauliflower,

inflorescence, isolation-RNA polymerase A 1710.

RNA polymerase, stimulation-polyethylenimine 3621.

Cauliflower mosaic virus,

DNA, structure 3170.

DNA structure 5035.

genome, localization-single stranded DNA 390.

replication/transcription, infected *Brassica rapa* protoplast 5095.

Caulobacter crescentus,

DNA biosynthesis, regulation-initiation/elongation 4851.

flagellin biosynthesis regulation during cell cycle, dependence-DNA replication 1890.

unstable poly (A)-containing RNA, characterization 3052.

CDP reductase,

analysis, herpes simplex virus-infected Chinese hamster cell 4589.

Cell culture,

DNA biosynthesis, control 5997.

DNA biosynthesis during S phase, detection, use-tritiated thymidine 3565.

mammalian, hydroxyurea induction-strand breakage-DNA during replication 1517.

monolayer/suspension, thymidine incorporation, effect of uridine (deoxy)/cytidine (deoxy) 2951.

synchronized, DNA biosynthesis rate, determination 2747.

Cell cycle,

see also **G phase, S phase**

Caenorhabditis elegans mutant 3942.

KB cell, effect of arginine deprivation 1633.

Cell-free system,

biosynthesis phage λ replication protein 1346.

replication, phage M13 duplex DNA 4472.

tRNA aminoacylation, inhibition-amphetamine 752.
wheat germ, peptide chain initiation, effect of abrin 228.

CELO virus,

DNA biosynthesis, chick embryo fibroblast, cell cycle dependence 5091.

Central nervous system,

effect of 5-acetyl-4-methyl-2-substituted pyrimidine derivative 5411.

human, RNA/DNA content, effect of death 2606.

rat, RNA content, effect of audiogenic seizure 859.

Centrifugation,

density gradient, RNA/DNA, use-caesium sulphate-urea 4264.

effect on ribosomal subunit 30S +RNA(pheynyl) binding 1909.

ribosomal subunit isolation 4786.

Ceratodon purpureus,

³H-RNA nucleotidyltransferase, characterization 186.

Cercopithecus aethiops,

endonuclease Cae I, characterization, site-specific DNA cleavage 5202.

Cerebellum,

rat, DNA biosynthesis/thymidine metabolism during development, effect of thyroidectomy 1002.

Cerebral cortex,

rabbit, protein biosynthesis, inhibition-electroshock, mechanism 190.

rat, ribosomal protein phosphorylation, effect of AMP (cyclic) 4793.

Cerebrospinal fluid,

human, DNA determination 3119.

Cerebrum,

rhesus monkey foetus, polyribosome disaggregation, induction-asphyxia 3407.

Cerulenin,

effect on DNA/RNA biosynthesis, *Streptococcus faecalis* 3951.

Cetavlon,

use-DNA isolation method 368.

Chaetomium globosum,

DNA genome size, effect of spaceflight 3886.

Channa punctatus,

RNA content during growth 2243.

Chara vulgaris,

histone, role-restriction-chromatin activity during development 602.

Chenopodium hybridum,

RNA/nucleoprotein composition following brome mosaic virus/cowpea chlorotic mottle virus replication 4601.

Chenopodium rubrum,

RNA biosynthesis, during dark period, photoperiodic floral induction 319.

Chick,

erythrocyte, nucleosome, binding-additional histone 4631.

erythropoiesis, nucleosome repeat length, during 4628.

fibroblast, DNA biosynthesis, effect of n-butyrate 1047.

fibroblast, myosin heavy-chain mRNA, content during myogenesis 2247.

fibroblast, Semliki Forest virus-infected, RNA biosynthesis, effect of nonstructural protein 5739.

liver, chromatin, characterization, in vitro transcription product analysis 6268.

liver, RNA biosynthesis, relationship-protein biosynthesis, during *Eimeria tenella* -induced coccidiosis 5763.

optic path, poly (A)-containing RNA transport 2279.

Chick, (continued)

oviduct, DNA polymerase activity/oestrogen receptor concentration, effect of progesterone 1716.
oviduct culture, conalbumin/ovalbumin mRNA biosynthesis, induction-oestrogen/progesterone 4874.
reticulocyte, chromatin, globin coding region enrichment 1772.

retinal pigment epithelium, melanin biosynthesis, effect of α -amanitin, control-mRNA transcription 1444.

Chick embryo,

brain, tubulin subunit mRNA, characterization 3055.
calvaria, procollagen mRNA biosynthesis during development 3087.

cell, single stranded DNA, characterization-transcription site 4458.

cell culture, DNA/RNA metabolism, effect of *Mycoplasma gallisepticum* infection 5127.

chromatin, DNase degradation 1199.

CNS neuron, daughter nucleus, DNA content, during ouabain-induced nuclear division 3120.

DNA biosynthesis, association-histone H5 6056.

DNA ligase, affinity-nucleotide/nucleotide (deoxyribo) 2115.

DNA ligase, purification/characterization 2476.

endogenous virus, RNA transcription 1932.

fibroblast, DNA biosynthesis, effect of adriamycin 3579.

fibroblast, DNA biosynthesis, effect of bisulphite 5151.

fibroblast, DNA biosynthesis/cation content, effect of magnesium ion 491.

fibroblast, DNA biosynthesis stimulation-proinsulin 1580.

fibroblast, DNA/RNA/protein biosynthesis, inhibition-ribavirin 6068.

fibroblast, normal/transformed, procollagen mRNA content, association-procollagen biosynthesis 3789.

fibroblast, transformation-Rous sarcoma virus, inhibition-oligodeoxyribonucleotide 2195.

fibroblast, transformation-Rous sarcoma virus, inhibition-adenosine (5'-deoxy-5'-S-isobutylthio) 4707.

fibroblast, vaccinia virus-infected, RNA methylation, effect of interferon treatment 5749.

heart, RNA, isolation/properties, effect on-chick blastoderm 1459.

heart cell culture, poly (ADP-ribose) biosynthesis, stimulation-oxygen 4736.

lens, DNA degradation during terminal differentiation 2426.

lens, methylation-mRNA cap 822.

liver, free/membrane-bound polyribosome, distribution/activity 3405.

low-molecular weight inducer RNA, effect on mRNA translation in vitro 4355.

muscle, rRNA metabolism, effect of thyroxine 4324.

muscle cell, identification-DNA polymerase, during differentiation 566.

myeloblast, mRNA sequence complexity/distribution, during myogenesis 878.

neural retina, glutamine synthetase accumulation, effect of cytosine arabinoside 120.

nucleus, cytoplasmic precursor RNA, characterization 4297.

nucleus/mitochondria, DNA polymerase γ , purification/characterization 5264.

procollagen mRNA, secondary structure determination 1936.
repetitive DNA, analysis 2733.

skeletal muscle, detection-myosin heavy chain mRNA during myogenesis 880.

skeletal muscle, myosin heavy chain mRNA, characterization 879.

tissue, separation-ribonucleoprotein(messenger), use-streptomycin 595.

Chick embryo,

fibroblast, CELOvirus DNA biosynthesis, cell cycle dependence 5091.

Chicken,

see also *Gallus domesticus*

δ -crystallin gene expression control, during lens cell development 1081.

cell, DNA, spleen necrosis virus DNA integration site 6111.

cell, *Rous sarcoma virus* -infected, occurrence-RNA complementary nucleotide sequence 508.

DNA, base composition, electron microscopy, relationship-chromosome banding 5965.

DNA, ovalbumin gene, sequence 5962.

DNA, ovalbumin gene organization 3179.

DNA, restriction fragment, presence-ovalbumin <?m>RNA coding sequence 454.

egg, allantoic fluid, reverse transcriptase, chicken egg 1142.

egg, allantoic fluid, reverse transcriptase-containing particle, purification/characterization 5274.

egg yolk, RNase, characterization 6140.

erythrocyte, chromatin conformation, determination 2890.

erythrocyte, histone core complex, characterization 3657.

erythrocyte, histone H2a, amino acid sequence 6246.

erythrocyte, ribosome-associated RNA replicase, product characterization 562.

erythroid cell, chromatin, subunit structure 4078.

liver, poly(A)-containing RNA biosynthesis, stimulation-oestrogen 3834.

liver, vitellogenin mRNA, isolation, use-diethylpyrocarbonate 3034.

liver, vitellogenin mRNA accumulation/vitellogenin biosynthesis, effect of 17β -oestradiol stimulation 3468.

ovalbumin mRNA, nucleotide sequence 5063.

ovalbumin mRNA, 5'-terminal nucleotide sequence 5710.

oviduct, elongation factor EF-2, purification/characterization 224.

oviduct, initiation factor IF-2, purification/characterization 3421.

Rous sarcoma cell, RNA, complementarity-Rous sarcoma virus 4282.

Chicory yellow mottle virus,

RNA, circular dichroism 2621.

Chimpanzee,

chromosome, human satellite DNA complementary sequence distribution 456.

Chinese cabbage,

leaf, 5'(3')-ribonucleotide phosphohydrolase activity, effect of adenine (N^6 -benzyl) 1256.

Chinese hamster,

see also **CHO cell**

chromosome, DNA arrangement 1562.

DNA, alkylation-dimethyl sulphate, repair 5111.

DNA repair following X-irradiation, comparison-Trichoplusia ni 2028.

DNA repair/survival, UV-irradiation-induced, comparison-Trichoplusia ni 2029.

lung cell, DNA repair, effect of X-irradiation 3576.

rRNA gene heterogeneity 1559.

thymidine kinase + galactokinase gene, transfer-mouse cell 2070.

Chinese hamster cell,

adenine-starved mutant, rRNA turnover 1957.

7-bromomethylbenz(a)anthracene-treated, DNA excision repair 1609.

7-bromomethylbenz(a)anthracene-treated, DNA repair, inhibition-caffeine 5112.

7-bromomethylbenz(a)anthracene-treated, post-replication

Chinese hamster cell,(continued)

repair, inhibition-caffeine 1025.
 chromosome, distribution-repetitive DNA 4649.
 chromosome damage, iodine-125-labelled uridine (iododeoxy) 6294.
 chromosome structure, role-DNA/protein, electron microscopy 6291.
 deficient mutant, hypoxanthine-guanine phosphoribosyltransferase incorporation 2848.
 DNA, effect of iodine-125/tritium decay 5869.
 DNA, effect of X-irradiation + UV-irradiation 5870.
 DNA, repair, irradiation-induced single-stranded breakage, effect of cysteamine/glycine (2-mercaptopropionyl) 1029.
 DNA biosynthesis, inhibition-methylmethanesulphonate 6033.
 DNA replication unit, enrichment/electron microscopy 6060.
 DNA single stranded breakage, dependence-radiation quality 1606.
 herpes simplex virus-infected, dCMP deaminase/CDP reductase analysis 4589.
 irradiation, DNA strand breakage, effect of oxygen concentration 1508.
 UV irradiation, post-replication repair 3209.
 UV-irradiation treated, DNA repair, enhancement-UV-irradiation during G₂ phase/S phase 6043.
 X-irradiation treated, sedimentation-double-stranded DNA 5963.
 mitosis, effect of protein biosynthesis inhibition 6288.
 nucleosome, histone composition 1186.
 repair kinetics-irradiation (ionizing)-induced DNA single-stranded breakage 1608.
 S phase duration, effect of DNA biosynthesis inhibition-hydroxyurea/uridine (5-fluorodeoxy) 6032.
 sister chromatid exchange, induction-Hoechst 33258 + uridine (5-bromodeoxy) 6290.
 toxicity-iodine-125 labelled uridine (iododeoxy) 5518.
Chironomus,
 Balbiani ring RNA 75S, distribution-cytoplasm 4354.
 salivary gland, RNA biosynthesis, effect of uridine (5-fluoro) 2176.
Chironomus melanotus,
 satellite DNA, co-replication-mainband DNA during polytenization 3927.
Chironomus plumosus,
 larva, histone analysis 4619.
Chironomus tentans,
 Balbiani ring, RNA transport 5783.
 Balbiani ring RNA content/half-life 3030.
 salivary gland, Balbiani ring, RNA 75S transcription unit, relationship chromosome structure 6284.
 salivary gland, Balbiani ring RNA 75S, association-endoplasmic reticulum 5782.
 salivary gland, occurrence-RNA (heterogeneous nuclear) fraction 1919.
Chironomus thummi,
 Balbiani ring RNA, cytoplasmic, characterization 4844.
 chromosome condensation 2140.
 DNA biosynthesis, association-nuclear membrane 2744.
Chlamydomonas reinhardtii,
 chloroplast, DNA content, association-nuclear ploidy 1492.
 chloroplast DNA replication/gene transmission, effect of uridine (5-fluorodeoxy) 1850.
 chloroplast ribosomal protein gene, localization 4456.
 chloroplast rRNA biosynthesis, association-guanosine tetraphosphate 2278.
 circular satellite DNA 1548.

DNA biosynthesis, inhibition-histone 3220.
 DNA polymerase, characterization 3268.
 DNA polymerase, purification/characterization 3267.
 streptomycin-resistant/dependent mutant, chloroplast ribosomal protein, characterization 3395.
Chloramphenicol,
 binding-*Escherichia coli* mutant ribosome 4250.
 binding-*Escherichia coli* ribosome, inhibition-dinucleoside (aminoacyl) phosphate 3403.
 damage-*Salmonella typhimurium* /*Escherichia coli* DNA 383.
 effect on DNA postreplication repair, *Escherichia coli* K12 2024.
 effect on single-stranded DNA biosynthesis, phage ϕ X174 2384.
 treated *Escherichia coli*, during operon (trp) transcription, mRNA release 4877.
Chlorella,
 nitrate reductase activity, effect of purine (6-methyl) 3726.
 tRNA/rRNA 5S biosynthesis, photoregulation 1950.
Chlorella vulgaris,
 sulphur containing nucleotide-peptide complex, isolation/activity 1852.
Chloroacetaldehyde,
 effect on DNA biosynthesis, rat 500.
 reaction-cytosine/cytidine/adenosine, kinetics/intermediate characterization 3722.
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea,
 DNA damage induction, rat intracerebral gliosarcoma 1979.
2-Chloroethyl-isocyanate,
 effect on DNA excision repair, human 4497.
Chloroethylene oxide,
 effect on DNA biosynthesis, rat 500.
Chloroform,
 induction-RNA biosynthesis, *Trichosia pubescens* 5760.
7-Chloro-4-nitrobenzo-2-oxa-1,3-diazole,
 reaction-*Escherichia coli* RNA polymerase thiol group 2090.
Chlorophyta,
 nitrate reductase activity, effect of purine (6-methyl) 3726.
Chloroplast,
 differentiation, *Nicotiana tabacum* cell culture, inhibition-uridine(<5->bromo-2'-deoxy) 127.
 DNA, distribution, *Nicotiana glauca* /*Nicotiana langsdorffii* hybrid 1489.
 DNA, mapping/localization-rRNA gene, *Euglena gracilis* 1935.
 DNA, visualization method 4374.
 DNA fragment, containing ribulosebiphosphate carboxylase subunit gene, *Zea mays* 2424.
Euglena gracilis, rRNA gene, cloning 5057.
Pisum sativum, rRNA biosynthesis, stimulation-blue light 4344.
 protein biosynthesis, review 7.
Triticum aestivum, incorporation-polynucleotide 710.
Chloroquine,
 binding-guanine 4115.
 inhibition-thymidine/adenine/uridine incorporation-rat/mouse liver RNA/DNA 3575.
Chlorotetracycline,
 effect on RNA polymerase I/RNA polymerase II activity, mouse liver nucleus 5250.
Chlorphentermine,
 effect on DNA biosynthesis, rat kidney/liver 2050.
CHO cell,
 amino acid transport, role-tRNA(aminoacyl) synthetase 5582.
 chromatin, distribution-rRNA gene 1196.

CHO cell,(continued)

- chromatin structure/histone phosphorylation during mitosis 3674.
- DNA, determination UV-irradiation damage/repair 493.
- DNA, occurrence-single-stranded region 4461.
- DNA biosynthesis, effect of X-irradiation 6040.
- DNA damaged region, localization-replicon initiation inhibition 470.
- DNA repair, inhibition-isonicotinic acid hydrazide 6041.
- DNA repeat nucleotide sequence, replication mechanism 2375.
- DNA replication, effect of X-irradiation 3216.
- DNA replication, effect of mercuric chloride 1048.
- DNA replication, effect of protein biosynthesis inhibition 1052.
- effect of UV-irradiation, potentiation-hydroxyurea 2040.
- G1 phase, tRNA (aminoacyl) synthetase complex 4766.
- inverted repeat DNA, sequence analysis, cloned DNA fragment 4467.
- irradiation-induced damage, DNA repair, effect of lucanthone 6042.
- metaphase chromosome, distribution-UV-irradiation-induced DNA biosynthesis 2021.
- mitochondria, occurrence-tRNA (asparaginy) 5560.
- nucleosome DNA, effect of neocarzinostatin 5852.
- nucleotide-permeable, ribonucleoside diphosphate reductase assay 3280.
- permeable, DNA biosynthesis 3566.
- replicon DNA, repeated nucleotide sequence organization 973.
- ribonucleoside diphosphate reductase, inhibition-dinucleoside polyphosphate 2190.
- tRNA (asparaginy) synthetase mutant, characterization 4762.
- RNA biosynthesis/DNA biosynthesis/protein biosynthesis, regulation-dinucleoside polyphosphate 2189.
- RNA distribution/transcription site localization, during cell cycle 4261.
- S phase, effect of irradiation-induced damage, replicating DNA 3136.
- S phase, induction-S phase DNA labelling pattern, G1 phase cell 6070.
- sister chromatid exchange, effect of ethyl methanesulphonate/mitomycin C/proflavine sulphate/ethyl nitrosourea 6289.
- sister chromatid exchange, induction-8-methoxyypsoralen + UV-irradiation 6298.
- temperature-sensitive RNA polymerase II mutation 2460.
- Cholesterol esterase,**
effect on elongation factor activity 3422.
- Chondrocyte,**
DNA biosynthesis, stimulation-oscillating electric field 4522.
- Choriocarcinoma,**
cell, alkaline phosphatase, induction-cytosine arabinoside/mitomycin C/phleomycin/nucleotide(cyclic) 118.
- Choriogonadotropin,**
human, α -subunit/ β -subunit mRNA identification 315.
- Chorionic somatomammotropin,**
human, complementary DNA, structure/construction 1564.
- Chorismate mutase,**
Escherichia coli, inhibition-tRNA 4754.
- Chromatid,**
breakage, UV-irradiation-induced, role-protein damage, mouse 2897.
- DNA, uridine (5-bromodeoxy) substitution-thymine, cell culture 6276.
- Chromatin,**
r RNA gene-containing, isolation/characterization, nucleolus 611.
- analysis during development, sea urchin embryo 1206.
- assembly, isolated mammalian nucleus 3663.
- assembly-DNA + histone, mouse cell culture 5331.
- binding-actinomycin D, effect of nuclear extract 1771.
- binding-avidin 609.
- binding-concanavalin A, rat liver 1780.
- binding-dye 4086.
- binding-ethidium bromide, fluorescence, effect of sodium chloride/EDTA concentration 4643.
- binding-psoralen derivative, effect of ionic environment 3504.
- binding-sodium ion, NMR 5344.
- calf thymus, characterization DNA-histone interaction 1183.
- calf thymus, DNA-histone interaction 3297.
- calf thymus, histone H1-depleted, isolation-nucleosome 2132.
- calf thymus, nucleosome core particle, DNA, NMR 3183.
- calf thymus, nucleosome structure, effect of isolation method 4630.
- change during cell-cycle, lymphocyte 2894.
- chick erythroid, specific transcription 4627.
- chick liver, characterization, in vitro transcription product analysis 6268.
- chick reticulocyte, globin-coding region enrichment 1772.
- chicken erythroid cell, subunit structure 4078.
- Chinese hamster lung fibroblast, γ -irradiation, DNA damage 6274.
- CHO cell, structure during mitosis 3674.**
- complex-ethidium bromide, degradation-nuclease 4632.
- complex-nucleolus, mouse liver, characterization 6269.
- condensation, *Chara vulgaris*, late G2 phase 3667.
- condensation, role-histone H1 4073.
- condensation-mouse DNA 612.
- condensed/dispersed, electron microscopy 6271.
- conformation, use-melting profile + dye binding 2893.
- conformation determination, chicken erythrocyte 2890.
- content/distribution, computer assisted analysis, bladder transitional cell carcinoma 1211.
- core particle, reconstitution 1764.
- corpus luteum, RNA biosynthesis, stimulation-lutropin 298.
- degradation, mouse thymus 4079.
- degradation/sulphydryl group level, effect of histone/nonhistone protein cystamine incorporation 4067.
- deoxynucleoprotein, interaction-chick liver nuclear RNA 5S 789.
- digestion-endonuclease, organ specificity 2800.
- distribution-nuclease-sensitive site, rat liver 1209.
- distribution-rRNA gene, CHO cell 1196.
- DNA, calf thymus, sequence specific interaction-histone 3303.
- DNA, cleavage pattern, effect of ethidium bromide binding 389.
- DNA, effect of DNase I 2816.
- DNA, relationship-histone content 4085.
- DNA base-pair turn, calculation 3145.
- DNA coiling, model 613.
- DNA conformation, X-ray scattering/circular dichroism 4074.
- DNA denaturation/renaturation, rat cerebellar cortex 3668.
- DNA packing 2334.
- DNA/protein conformation, chick erythrocyte 1208.
- DNA repeat length, comparison-histone H1/histone H5-containing 2131.
- DNA replication temperature-sensitive mouse L-cell, properties 5336.
- DNA structure, Raman spectra 5883.
- DNA superstructure 4081.
- DNase degradation, chick embryo 1199.

Chromatin,(continued)

- Drosophila nasutoides* satellite, structure 1774.
 duck erythrocyte, nonhistone protein release, during DNase I digestion 1191.
 dynamics 4084.
 effect of serum stimulation, human fibroblast 607.
 extrusion, *Tillina magna* cyst 1205.
 fractionated, HeLa cell, composition/template activity 1207.
 fractionation, centrifugation 4072.
 fractionation, use-nonhistone protein/DNA-containing acrylamide gel 1203.
 fragment, nonhistone protein-rich, isolation-chicken erythrocyte/calf thymus 1767.
 fragment, nucleosome double chain 4076.
 Friend cell, distribution-mRNA coding sequence 1200.
 Friend cell, localization-globin gene 1778.
 Friend erythroleukaemia cell, globin gene distribution 3298.
 gene conformation during transcription, chicken 608.
 globin gene transcription control factors, reconstitution 3664.
 globin-specific DNA, distribution 615.
 HeLa cell, DNA-protein ratio, effect of hyperthermia 5343.
 HeLa cell, RNA polymerase C transcription-rRNA 5S 825.
 helical structure, laser light scattering 4069.
 human, distribution-UV-irradiation-induced DNA repair synthesis 4499.
 human leukocyte, comparison-normal/leukaemia, review 5392.
 hyperacetylated histone-containing region, sensitivity-DNase I 5326.
 hyperchromicity, chicken, muscular dystrophy 2130.
 integrity, circular dichroism/electron microscopy 3666.
 liver, chickens, transcription-vitellogenin sequences, oestrogen, effects on 272.
 mammalian cell, properties, effect of murine leukaemia virus/murine sarcoma virus infection 6272.
 melting curve, normal/tumour mouse liver 4640.
 modified histone content, trout testis 1195.
 mouse, histone H1 pattern, effect of age 3289.
 mouse, satellite DNA/rRNA gene denaturation during chromatography 969.
 mouse, tritium distribution 1765.
 mouse cell culture, visualization-RNA transcription complex 3669.
 mouse hepatoma, DNA fragment size/periodicity 4092.
 native, rat liver, X-ray diffraction 1204.
 native/reconstituted, electron microscopy, calf thymus/SV40 4639.
 native/sheared, superstructure 4082.
 neuronal/glial, comparison-nonhistone protein 4621.
 nonhistone protein, disappearance during erythroid differentiation, Friend leukaemia cell 6273.
 nonhistone protein, interaction-DNA, effect of γ -irradiation 4949.
 nuclease-digested, histone H1 distribution 1187.
 nucleosome/polynucleosome, histone pattern 5338.
 nucleosome release, effect of bleomycin 1201.
 occurrence-nucleosome phasing 1198.
 organization, DNA replication temperature-sensitive mouse L cell 4071.
 organization, during cell cycle, relationship-heparin interaction-histone 2880.
 organization, role-DNA conformation flexibility 5882.
Owenia fusiformis, nuclear protein incorporation during regeneration 3302.
Peridinium balticum, isolation-histone 2136.
Phaseolus aureus, RNA biosynthesis, effect of endogenous RNase 1678.
Physarum polycephalum, localization-rRNA 19S/rRNA 26S gene 4068.
Physarum polycephalum, structure 4623.
 physical properties 4075.
 properties, effect of nonhistone protein removal 4651.
 properties, review 1252.
 prostate gland, interaction-androgen receptor complex, role-nonhistone protein 5323.
 protein, isolation/characterization, mouse sperm 1178.
 protein, rabbit, synthesis/phosphorylation 2135.
 protein component, fertilization, sea urchin 4633.
 protein phosphorylation, effect of γ -irradiation 4624.
 protein phosphorylation reaction 1210.
 rat brain, effect of laser irradiation 6260.
 rat hepatocyte, subunit structure, comparison-compact/diffuse 1775.
 rat liver, binding-*Escherichia coli* RNA polymerase 6166.
 rat liver, DNA-binding protein, characterization 5357.
 rat liver, DNA biosynthesis 5079.
 rat liver, DNA/nonhistone protein, binding-glucocorticoid-receptor complex 5339.
 rat liver, effect of *Cancer pagurus* /*Helix aspersa* DNase/*Escherichia coli* endonuclease I 2444.
 rat liver, endonuclease-treated, heterogeneity 3673.
 rat liver, histone/nonhistone protein acetylation, effect of age 3294.
 rat liver, localization-poly(ADP-ribose) polymerase activity 4636.
 rat liver, nonhistone protein/histone H1 content 5335.
 rat liver, solubilization-endonuclease 4080.
 rat liver, template-RNA biosynthesis 4066.
 rat liver, transcription, effect of cortisone 3836.
 rat liver, transcription complex organization 5328.
 rat myocardium, activation during hyperthyroidism, role-nonhistone protein 4642.
 rat prostate gland, RNA chain elongation-RNA polymerase B, regulation-androgen 2286.
 rat spleen, thiol content, effect of oxoglutarate/disulphide 5342.
 rat uterus, distribution-oestradiol receptor complex 2889.
 reassociation, order 3672.
 repeat unit analysis, *Tetrahymena pyriformis* /*Paramecium aurelia* 1770.
 replication, *blastoderm* *Drosophila melanogaster* embryo, electron microscopy 1202.
 replication, isolated bovine lymphocyte nucleus 5325.
 restriction-activity, role-histone, *Chara vulgaris* development 602.
 restriction endonuclease EcoRI-digested, mouse liver nucleus, satellite DNA content 4061.
 review 3319.
 rRNA gene-containing, preparation-*Tetrahymena pyriformis* macronucleus 4637.
 rRNA gene-containing, *Tetrahymena pyriformis* macronucleus, histone composition 4638.
Saccharomyces cerevisiae, histone composition 6270.
Saccharomyces cerevisiae, histone electrophoresis 6243.
 satellite DNA, L cell, accessibility-*Escherichia coli* RNA polymerase 2094.
 sea urchin, nucleosome-like structure, nascent DNA 5340.
 separation protein/DNA, use-isopycnic centrifugation 2891.
 sex, frequency, relationship-nuclear size, human 6259.
 solubility, role-nonhistone protein 2895.
 soluble, preparation, use-restriction endonuclease 599.
Spirogyra, nonhistone protein characterization 4057.
 structure, Angiosperm 1779.
 structure, *Bursaria truncatella* 1773.

Chromatin,(continued)

structure, chicken, effect of α -amanitin 1760.
 structure, comparison-SV40/*Escherichia coli* /Ehrlich ascites cell 6275.
 structure, *Dictyostelium discoideum* 2892.
 structure, *Drosophila melanogaster* 6265.
 structure, during spermatogenesis, rooster testis 2492.
 structure, effect of shearing 3671.
 structure, electron microscopy 4077.
 structure, hepatocyte nucleus, effect of α -amanitin 6266.
 structure, model 1769.
 structure, *Odontophrynus americanus* spermatocyte 4625.
 structure, *Physarum polycephalum* nucleolus 6267.
 structure, *Physarum polycephalum* rRNA gene 2007.
 structure, rat liver, effect of cortisone 5745.
 structure, review 631, 3312, 3694, 4678, 5385.
 structure, role-DNA-protein interaction 4083.
 structure, role-histone H1 614.
 structure, role-histone interaction/modification, review 6252.
 structure, SV40 6261.
 structure determination, use-nuclease degradation 1777.
 structure/function, review 1241.
 structure-nucleosome core 1766.
 structure transition, effect of sodium ion/magnesium ion 2133.
Stylonychia mytilus, template activity 3670.
 subunit, conformation, effect of ionic strength 3299.
 subunit, interaction-anti-histone serum, rat liver 4063.
 subunit, organization during transcription 6263.
 subunit, relationship-repetitive DNA restriction endonuclease cleavage site, African green monkey/calf nucleus 2493.
 subunit dimer, chicken erythrocyte, hydrodynamic properties 621.
 subunit organization, brain 3301.
 susceptibility-acid hydrolysis, comparison-normal/malignant human cells 610.
 SV40, interaction-antigen T 2887.
 template activity, rat liver, effect of aflatoxin B₁/ α -amanitin 4571.
 template activity-transcription, rat mammary gland during development 5337.
 transcription, *Lycopersicon* 5341.
 transcription, review 5388.
 transcription, stimulation-putrescine, mechanism 2494.
 transcription, use-mercurated nucleotide 6264.
 transcription complex, *Drosophila melanogaster*, electron microscopy 3677.
 transcription pattern, effect of cortisone 3469.
 transcription-RNA polymerase, isolated nucleus 2640.
 transcription unit, structure 6262.
 transcriptionally inactive, *Drosophila melanogaster*, lack-RNA polymerase B 1711.
 transition temperature, effect of dimethylnitrosamine/diethylnitrosamine, rat liver 3665.
 ultrastructure, during spermatogenesis, *Dasypus novemcinctus* 5330.
 ultrastructure, regenerating rat hepatocyte 4064.
Xenopus laevis /*Triturus alpestris* /*Triturus cristatus*, nucleosome frequency, relationship-transcriptional activity, electron microscopy 4065.
Chromatin protein,
 isolation/characterization, mouse sperm 1178.
Chromatography,
 hydroxyapatite, *Escherichia coli* DNA, silver/mercury, effects on 328.
 ovalbumin mRNA, use-complementary DNA-cellulose 5662.
 poly (C)-Sephadex, isolation-oligo d(G-C)-containing DNA

fragment 5827.

Sephacrose 4B, ribosome separation 4225.

Chromatography (affinity),

analysis-*Bacillus subtilis* ribosome changes during sporulation 3778.
 characterization-mouse liver histone-binding protein 2881.
 dCMP kinase/AMP kinase/nucleoside diphosphokinase 4033.
 DNA-agarose, lymphocyte nonhistone protein 5320.
 DNA isolation-*Fusarium graminearum* 5838.
 DNase I deoxyribonuclease I 2448.
 double-stranded DNA base-specific fractionation 3125.
 isolation-ribonucleoprotein (messenger), HeLa cell polyribosome 767.
 purification-*Escherichia coli* elongation factor Tu/elongation factor Ts 223.
 purification-*Escherichia coli* thymidine kinase 1155.
 purification-tRNA(aminoacyl)synthetase 737, 738.
 tRNA (aminoacyl) synthetase complex 3379.
 RNase I 2809.
 RNase isolation, use-guanylyl-2'-5'-guanosine 3743.
 RNase S analogue, active site ligand binding 2440.
 use-blue-dextran-Sepharose, *Escherichia coli* polynucleotide phosphorylase purification 2468.
 use-DNA/RNA, review 4106.
 use-histone, nonhistone protein fractionation 2885.
Chromatography (anion-exchange),
 adenine nucleoside/adenine nucleotide separation/identification 2936.
 analysis-purine/purine nucleoside/purine nucleotide 3341.
 use-nucleotide separation/identification, *Saccharomyces cerevisiae* /mouse liver 687.
Chromatography (column),
 daunomycin-CH-Sepharose 4B, use-nonhistone protein fractionation 3662.
 DNA, use-immobilized histone 3124.
 hydroxyapatite, bovine histone 605.
 nucleoside (3',5'-di-O-acyl)/nucleoside (2',5'-di-O-acyl) separation 54.
Chromatography (gas),
 thymine content, use-DNA assay 4370.
Chromatography (gas-liquid),
 uracil (5-fluoro) assay 4123, 5437.
Chromatography (high-performance liquid),
 adenine arabinoside/hypoxanthine arabinoside 2534.
 determination-cytosine/cytosine (3-methyl)/cytosine (5-methyl) content, DNA/RNA 1525.
 flow fluorometry, guanine (6-thio) nucleotide metabolite assay 4721.
 nucleoside analysis, urine 4697.
 nucleoside separation 79.
 separation-tRNA methylated base 637.
 uracil (5-fluoro) analysis 40.
 uridine (pseudo) 5445.
 use-DNA guanine + cytosine content determination 422.
 use-DNA/RNA base analysis 2923.
 use-nucleoside/nucleotide/base analysis 78.
 use-oligodeoxyribonucleotide analysis 143.
Chromatography (high pressure),
 IMP/GMP/AMP determination 2547.
 separation-nucleoside/purine/pyrimidine 4696.
 separation-plasmid ColE1 DNA restriction endonuclease fragment complementary strand 2677.
 use-adenosine analysis 76.
Chromatography (high-pressure liquid),
 determination-purine (6-thio), mouse lymphoma L5178Y cell 2519.

Chromatography (high-pressure liquid),(continued)

tRNA 4190.

tRNA structure 2561.

use polynucleotide synthesis 2960.

Chromatography (high-speed liquid),

poly (A)/poly (T), methodology 147.

Chromatography (ion-exchange),

separation pyrimidine/purine 39.

Chromatography (MAK column),

fractionation-RNA (DNA like), sea urchin embryo/

Escherichia coli /broad bean shoot 785.**Chromatography (reversed-phase),**

nucleotide separation 1856.

Chromatography (thin-layer),

adenine nucleotide separation/determination 137.

nucleoside (deoxyribo) assay 5442.

separation-purine derivative 37.

use-radioactivity separation, purine/adenine nucleoside/
adenine nucleotide 77.use-RNA in vitro transcript 5'-terminal oligonucleotide
analysis 4822.

use- mRNA nucleoside analysis 82.

use- tRNA oligonucleotide fragment sequence determination
167.

use-RNA sequence analysis 244.

Chromic chloride,

effect on DNA biosynthesis, BHK cell/HEp cell 3224.

Chromobacterium,rRNA gene, comparison-*Janthinobacterium* 5040.**Chromomycin,**

inhibition DNA polymerase/RNA polymerase, review 3322.

Chromosome,*Allium fistulosum* , rRNA gene localization 2900.*Bacillus subtilis* , UV-irradiation-induced mutagenesis 6293.banding, relationship-DNA base composition, mouse/cow/
chicken 5965.characterization, *Saimiri sciureus* 619.Chinese hamster/*Triturus viridescens* , DNA arrangement
1562.complex-plasmid, *Escherichia coli* /*Salmonella typhimurium*
 , role-plasmid replication 5349.condensation, *Chironomus thummi* 2140.

conformation during transcription 4650.

damage, iodine-125-labelled uridine (iododeoxy), Chinese
hamster cell 6294.

damage, localization, human 6305.

distribution-repetitive DNA, Chinese hamster cell 4649.

DNA, *Hedera helix* , structure/function, effect of age 5977.DNA, *Saccharomyces cerevisiae* , reiterated sequence 5055.

DNA packing, fluorescence polarization 5351.

Drosophila , analysis, use-histone H4/histone H3/histone H4-
histone H3 complex antiserum 6295.*Drosophila*, centromeric/histone region, recombination
frequency 3248.*Drosophila hydei* , DNA distribution/organisation 5352.*Drosophila melanogaster* , interband transcription 6285.duplication, *Saccharomyces cerevisiae* , role-mitotic
replication gene during meiosis 1213.*Ephestia kuehniella* , transcription activity sequence 6300.*Escherichia coli* , interaction-membrane 4647.*Escherichia coli* , membrane-associated DNA,
characterization 5047.*Escherichia coli* , plasmid RP4 incorporation, effect of
transposon Tn1 5169.*Escherichia coli* , RNA polymerase/ribosomal protein 50S
gene-containing, transcription pattern 1939.*Escherichia coli* , terminal region, inhibition-replication fork

1219.

folded, *Bacillus subtilis* , characterization 3675.folded, complex-nonintegrated plasmid, relationship-plasmid
replication 5178.

folding, gene regulation 1217.

Gyrodinium , nucleogranule incorporation during mitosis
5348.*Haemaphysalis kharharinae* , binding-actinomycin D, effect on
histone isolation 2138.

HeLa cell, effect of vermiculine 5353.

human, comparison-primate 1789.

human, DNA content/base ratio 6287.

human, localization-repetitive DNA 2899.

human, mapping- tRNA (tryptophanyl)synthetase gene
617.

human, structure 6286.

human, translocation 13-14, fate-satellite DNA/rRNA gene
2898.

human metaphase, electron microscopy 1790.

human/mouse transformed cell, binding-herpes simplex virus-
related antigen 6278.initiation mutant, *Bacillus subtilis* , RNA biosynthesis/
protein biosynthesis 851.integration-phase λ , role-DNA insertion sequence IS 3982.

irradiation-treated, effect of DNA, rat 618.

L cell, DNA, localization-cytosine (5-methyl) 5068.

lampbrush, amphibian oocyte, transcription organization
5395.lampbrush, *Triturus cristatus carnifex* , localization-
transcription activity 2903.late replication region, repetitive sequence content,
Drosophila virilis 1786.localization-histone m RNA sequence, *Drosophila*
melanogaster 616.

location- m RNA-specific sequence, hamster 615.

location-mouse immunoglobulin gene 4644.

T-lymphocyte, human, effect of X-irradiation 4648.

metaphase, CHO cell, distribution-UV-irradiation-induced
DNA biosynthesis 2021.

metaphase, histone-depleted, structure 1218.

metaphase, human, structure, effect of uracil (5-fluoro)/
uridine (5-fluoro) 5438.metaphase, *Peromyscus eremicus* , localization-satellite
DNA/poly(A)-containing RNA sequence 1782.metaphase, structure, HeLa cell, role-nonhistone protein
1220.

mouse, detection-AKR leukaemia virus DNA 1481.

mouse, digestion-DNase I 5346.

mouse, DNA, localization-A-T rich region 3552.

mouse/human, effect of triethylenemelamine 4646.

mouse primary/sarcoma/L-cell, satellite DNA organization
1212.

organization, eukaryote, book review 6317.

organization, *Saccharomyces cerevisiae* , nuclear DNA
content 355.*Peromyscus* , genome characterization 6303.

physical properties 4075.

Plethodon cinereus , localization-DNA repetitive sequence
6282.polytene, *Drosophila melanogaster* , hybridization-rRNA
1409.polytene, *Drosophila melanogaster* , localization-RNA
polymerase B/histone H1 1712.*Prorocentrum micans* , DNA, goniometric effect 5350.protein, gene expression regulation, normal/neoplastic cell,
review 2921.*Pseudomonas putida* , gene mapping 2495.

Chromosome,(continued)

rat, effect of ethylnitrosourea 2139.
 rat, rRNA gene localization 1787.
 replication, *Escherichia coli*, prophage P2-suppressed mutant 6292.
 replication, *Escherichia coli* T-even phage 6299.
 replication, *Myxococcus xanthus* 2497.
 replication, termination site, *Escherichia coli* K12 1781.
 replication initiation, *Escherichia coli*, effect of mutation (dnaA) 6297.
 reversal-structure change following inhibition-UV-irradiation-induced repair 4409.
Saccharomyces cerevisiae, cytochrome c gene, mapping 4087.
 sequence arrangement, *Escherichia coli*, electron microscopy 1784.
 structure, Chinese hamster cell, role-DNA/protein, electron microscopy 6291.
 structure, *Chironomus tentans* salivary gland, relationship-Balbani ring RNA 75S transcription unit 6284.
 structure, differentiation mechanism, theory 6304.
 structure, *Drosophila melanogaster* 1783.
 structure, mammalian, review 5373.
 study, *Aneides* 5960.
Triturus cristatus carnifex, DNA arrangement/transcription 452.
Triturus vulgaris meridionalis, <?r>RNA gene localization 453.
 yeast, supercoiled DNA, electron microscopy 620.
Chromosome aberration,
Escherichia coli, role-phage Mu-1 early functions 3676.
 ethyl methanesulphonate-induced, *Pterotheca falconeri*, effect of caffeine 1214.
 formation, role-sister chromatid exchange 1215.
 mechanism, UV-irradiation, *Vicia faba* 6301.
 origin, mechanism 1216.
 Yoshida lymphosarcoma cell, role-DNA post-replication repair 6045.
Chromosome banding,
 mechanism 4088.
Chromosome puff,
Drosophila, interband transcription 1221.
 polytene, *Drosophila melanogaster*, relationship-RNA metabolism 279.
Rhynchosciara americana, DNA, coding-salivary gland secretion polypeptide 3992.
Chromosome X,
Drosophila melanogaster, rRNA gene structure, comparison-chromosome Y 5958.
 RNA biosynthesis site, *Drosophila melanogaster* 2637.
Chromosome XO,
 human lymphocyte, DNA/RNA/protein biosynthesis 2402.
Chromosome Y,
Drosophila melanogaster, rRNA gene structure, comparison-chromosome X 5958.
 human, DNA sequence 3930.
 human, DNA sequence organization 6283.
 satellite DNA, localization-male-specific DNA fragment 4465.
Chromosome 4,
 characterization, *Drosophila melanogaster* 1785.
Chrysanthemum chlorotic mottle viroid,
 structure 3441.
Chrysanthemum segetum,
 shoot apex, determination-DNA biosynthesis duration 3944.
Chrysanthemum stunt viroid,
 structure 3441.

Cibacron blue F3GA,

inhibition-RNA polymerase, *Azotobacter vinelandii* 1108.
Cinnamomum camphora,
 angiosperm, nuclear DNA content 363.
Circadian rhythm,
 DNA biosynthesis/RNA biosynthesis, rat thymus gland/liver/spleen/myocardium 464.
Circular dichroism,
 adenine + cytosine-containing polynucleotide, interaction-peptide 3742.
 ADP/dADP/IDP-copper complex 4720.
 analysis, DNA, use-synthetic polynucleotide 3512.
 chicory yellow mottle virus RNA 2621.
 chromatin, DNA conformation 4074.
 chromatin integrity 3666.
 cytidyl(3'-5')-adenosine analogue 3741.
 disulphide-reduced RNase A 1687.
 DNA, effect of triplet carbonyl compound 4403.
 DNA-3-aminophenanthridium/3,8-diaminophenanthridium derivative complex 4979.
 DNA-echinomycin complex 5847.
 DNA nearest neighbour configuration 4410.
 DNA-platinum complex 4404.
 DNA-proflavine/distamycin/actinomycin complex 3878, 3879.
 DNA/RNA monomer 1282.
 DNA-silver ion/copper ion complex 3867.
Escherichia coli /*Halobacterium cutirubrum* ribosomal protein conformation 4231.
Escherichia coli ribosomal protein S4 conformation 200.
 guanylyl (-3,5-) uridine conformation, effect of benzo(a)pyrene-7,8-dihydrodiol, 10-oxide modification 2968.
 guanylyl(3'-5')-guanine triphosphate/5'-pyrophosphate derivative 5543.
 histone interaction-DNA 2123.
 mercury ion interaction-oligonucleotide/polynucleotide 3363.
 methylated DNA compact form, polyethylene glycol-containing solution 419.
 nucleoside polyphosphate-metal complex, model 5523.
 phage PM2 circular DNA, ethanol solution 3528.
 phage T4 DNA unwinding protein, interaction-poly (dA)/poly (dT)/poly d(A-T)/poly d(A-T) 3680.
 poly d(G.C) acid-base titration 4176.
 poly(A) 4175.
 protamine-tRNA complex 2987.
 purine(9-methyl-8-aza)/adenine(7-methyl-8-aza)/adenine(8-methyl-8-aza)/adenine(9-methyl-8-aza) 633.
 RNase A complex-3'-CMP/2'-CMP/3'-UMP (dihydro)/3'-CMP arabinoside/2'-CMP (1-(2-hydroxyethyl))/3'-CMP (1-(3-hydroxypropyl)) 1686.
 satellite DNA first-neighbour frequency, *Drosophila nasutoides* /*Pagurus pollicaris* 3548.
 spectrum, polynucleotide, relationship-secondary structure 2185.
 turnip yellow mosaic virus RNA structure 5698.
 uracil (4-thio)-containing dinucleoside phosphate 1864.
 use-DNA nearest neighbour frequency computation 4417.
 use-DNA nearest neighbour frequency determination 2702.
Cistron,
 see also **Gene, Operon, etc**
 .r RNA, analysis, *Allomyces arbuscula* 450.
Cistron (tra),
 assignment, plasmid F DNA, restriction endonuclease EcoRI fragment 5168.
Escherichia coli plasmid R6-5, characterization 5894.
Citrobacter,
 DNA, base composition 5043.

- Citrullus lanatus***,
ovary, RNA biosynthesis during development 3846.
- Citrus exocortis viroid**,
structure 3441.
thermodynamics 3442.
- Citrus exocortis virus**,
complementary RNA, occurrence-infected *Gynura
aurantiaca* 3028.
RNA sequence during replication, *Lycopersicon esculentum* /
Gynura aurantiaca 3050.
- Clobetasol butyrate**,
inhibition-DNA biosynthesis, mouse epidermis 5097.
- Clobetasol propionate**,
inhibition-DNA biosynthesis, mouse epidermis 5097.
- Clobetasone butyrate**,
inhibition-DNA biosynthesis, mouse epidermis 5097.
- Cloning**,
Bacillus subtilis DNA, use plasmid pUB110 5190.
Bacillus subtilis leucine gene, plasmid RSF2124 2416.
ovalbumin gene DNA, plasmid pMB9 2056.
plasmid pAT2010, *Bacillus subtilis* hybrid, *Escherichia coli*
2789.
use-ovalbumin gene fragment isolation 4539.
- Clostin O**,
inhibition DNA/RNA biosynthesis, *Clostridium
saccharoperbutylacetonicum* 5106.
inhibition DNA/RNA/protein biosynthesis, *Clostridium
saccharoperbutylacetonicum* 2766, 5104.
- Clostridium botulinum***,
spore, DNA segregation, autoradiography/electron
microscopy 3975.
spore outgrowth, DNA/RNA/protein biosynthesis, during
3967.
toxin, precipitation, effect of RNA 3483.
- Clostridium saccharoperbutylacetonicum***,
DNA/RNA biosynthesis, inhibition-clostin O 5106.
DNA/RNA/protein biosynthesis, inhibition-clostin O
2766, 5104.
- CMP**,
complex-cadmium ion/cobalt ion, X-ray diffraction 5534.
Raman spectra 693, 4151.
reaction-diammine platinum(II), Raman spectra 4156.
- 2'-CMP (1-(2-hydroxyethyl))**,
complex-RNase A, circular dichroism 1686.
- 3'-CMP (1-(3-hydroxypropyl))**,
complex-RNase A, circular dichroism 1686.
- 2'-CMP**,
complex-RNase A, circular dichroism 1686.
complex-RNase S, X-ray diffraction 1096.
- 3'-CMP**,
complex RNase A, circular dichroism 1686.
complex RNase S, X-ray diffraction 1096.
- 3'-CMP arabinoside**,
complex-RNase A, circular dichroism 1686.
- dCMP deaminase**,
activity, induction-uridine (5-bromodeoxy), hamster cell
culture 2952.
analysis, herpes simplex virus-infected Chinese hamster cell
4589.
phage T4, role-nucleotide (deoxyribo) biosynthesis 2473.
- dCMP hydroxymethylase**,
interaction-DNA polymerase, phage T4 1714.
- dCMP kinase**,
chromatography (affinity) 4033.
- Coal tar**,
+ UV-irradiation, inhibition-DNA biosynthesis, mouse
epidermis 3956.
- Coat protein**,
alfalfa mosaic virus, interaction-RNA, calorimetry 788.
gene, segment, phage Q β , enzymatic synthesis 4189.
mRNA, detection-eggplant mosaic virus/wild cucumber
mosaic virus/okra mosaic virus 5654.
tobacco mosaic virus, separation-RNA, use-
dimethylsulphoxide 4269.
- Cobalt**,
chelate-bleomycin, binding-Ehrlich ascites carcinoma DNA
1969.
complex-pyrimidine(2- -hydrazino< 4 >hydroxy -6-
methyl), -IR spectroscopy/NMR 52.
substitution, effect on RNA polymerase, *Escherichia coli*
1114.
- Cobalt ion**,
binding-AMP, kinetics 690.
binding-nucleoside monophosphate, relationship-structure/
hydration 4155.
CMP complex, X-ray diffraction 5534.
- Cocos nucifera***,
cadang-cadang disease, RNA transmission 875.
RNA biosynthesis, inhibition-abscisic acid, effect of indole
acetic acid 840.
- Codon**,
initiation, translation initiation, effect of contiguous
nucleotide 5644.
- Codon-anticodon interaction**,
two out of three recognition method, review 2917.
use-RNA/DNA sequence analysis 922.
- Coelopa frigida***,
developing ovariole, uridine utilization 4715.
- Colformycin**,
toxicity-L1210 cell/mitogen-stimulated lymphocyte 5489.
- Colcemid**,
stimulation-DNA biosynthesis, mechanism, chick-cell culture
1028.
- Colchicine**,
inhibition-DNA biosynthesis initiation, regenerating rat liver
hepatocyte/WI-38 cell/C3H cell 1632.
inhibition-DNA biosynthesis initiation/amino acid transport,
regenerating rat liver 6062.
stimulation-DNA biosynthesis, mechanism, chick cell culture
1028.
- Colicin E1**,
deletion, isolation/characterization 5170.
DNA, gene(guaA) insertion, expression 521.
- Colicin E3**,
activity, role-ribosomal subunit 50S caesium chloride core
2224.
cleavage-rRNA 16S, *Escherichia coli* ribosomal subunit 30S
2074.
inhibition-globin biosynthesis, rabbit cell-free system 4222.
- Collagen**,
biosynthesis, ribosome localization, rat lung 4235.
biosynthesis, use-isoaccepting tRNA 2569.
- Colon**,
cancer, treatment, human, use-Immune RNA 5785.
carcinoma, mouse, treatment, use-uracil (5-fluoro)/uridine (5-
fluoro-2'-deoxy) 5439.
DNA content, comparison-normal/benign/malignant
epithelium 361.
human, adenocarcinoma, detection-cytomegalovirus DNA
sequence 3974.
mucosa, human, DNA binding-benzo(a)pyrene/

Colon,(continued)

dimethylnitrosamine/dimethylhydrazine 906.
normal/tumour, adenosine deaminase characterization 2114.
rat, normal/malignant, adenosine deaminase,
characterization 6221.

Compositae,

DNA content, effect of crown gall tumour induction 4381.

Computer programme,

DNA reassociation kinetics, analysis 2701.

DNA/RNA sequence 412.

DNA/RNA sequence analysis 2700.

DNA sequence analysis 413.

tRNA sequence determination 2560.

Conalbumin,

mRNA, biosynthesis, induction-oestrogen/progesterone,
chick oviduct culture 4874.

Concanavalin A,

activated suppressor cell, lymphocyte DNA biosynthesis
regulation 2405.

binding-chromatin, rat liver 1780.

effect on RNA polyadenylation, lymphocyte 2296.

stimulation, effect on DNA polymerase α /DNA polymerase
 β /DNA polymerase γ activity, rabbit spleen cell 4026.

Conjugation,

Escherichia coli K 12, DNA strand polarity during 4450.
regulation, F-like factor 5175.

Copper,

bis(thiosemicarbazone) complex, effect on DNA
biosynthesis, Ehrlich ascites tumour cell 2408.

complex-ADP/dADP/IDP, circular dichroism 4720.

complex-cytosine, structure 3707.

complex-DNA/RNA, inhibition-Rous sarcoma virus
replication 5841.

complex-isonicotinic acid hydrazide, inhibition-Rous
sarcoma virus reverse transcriptase, mechanism 5275.

complex-nucleoside/nucleotide, NMR 107.

complex-pyrimidine(2- hydrazino -4- hydroxy -6-
methyl), IR spectroscopy/NMR 52.

effect on rat liver DNA ethylation 2388.

guanine complex, IR-spectroscopy 1258.

IMP complex, X-ray crystallography 140.

occurrence-calf thymus deoxyribonucleoprotein 1754.

thiosemicarbazide complex, interaction-DNA, IR-
spectroscopy/UV-spectroscopy 1513.

uracil(6- -aza) complex, X-ray diffraction 64.

Copper ion,

catalyzed noradrenaline oxidation, effect of polynucleotide
3364.

combination-5-amino-1-formylisoquinoline

thiosemicarbazone, inhibition-DNA polymerase β /DNA
polymerase α /RNA polymerase II/RNA polymerase II 1136.

complex-DNA, circular dichroism 3867.

effect on DNA helix-coil transition 4413.

effect on DNA thermal denaturation 5881.

effect on RNA/protein biosynthesis, *Candida utilis* 4891.

GMP complex, X-ray diffraction 5529.

interaction-*Escherichia coli* tRNA 716.

Copper nitrate,

reaction-uracil (1,3-dimethyl-4-amino-5-nitroso) 26.

Coralyne,

inhibition- t RNA methylase, rat liver 173.

Cordycepin,

inhibition-nuclear RNA methylation, L1210 cell 3727.

Cordycepin triphosphate,

effect on rhinovirus (human) 14/poliiovirus 2 RNA
biosynthesis, in vitro 2650.

Core protein,

biosynthesis, adenovirus (human) 5, during late infection,
HeLa cell 4216.

virion, role-Sindbis virus-specified RNA biosynthesis
regulation 3460.

Coregonus,

DNA structure, comparison-*Stenodus* /*Leucichthys* /
Prosopium / 5059.

Coronavirus (human) OC43,

RNA, localization-poly (A) sequence, absence-virion RNA
replicase 3438.

Coronavirus (human) 229E,

genome RNA, characterization 5680.

Corpus luteum,

chromatin, RNA biosynthesis, stimulation-lutropin 298.
rabbit, RNA biosynthesis, effect of 17 β -oestradiol
withdrawal 1429.

Corticosteroid,

regulation-casein mRNA 2289.

Corticosterone,

inhibition-DNA biosynthesis, effect of progesterone, liver
hepatoma 1008.

Corticotropin,

precursor, biosynthesis, poly (A)-containing mRNA, mouse
pituitary tumour, translation, cell-free system 5797.

mRNA, activity, mouse pituitary tumour cell culture, effect
of glucocorticoid 4921.

mRNA, translation, reticulocyte cell-free system 1474.

Cortisol,

control-growth hormone mRNA, GH1 cell 2649.

effect on perichromatin granule, rat hepatocyte 1776.

effect on tyrosine aminotransferase isoenzyme mRNA
content, rat liver 4329.

Cortisone,

effect on chromatin transcription, rat liver 3836.

effect on chromatin transcription pattern 3469.

effect on RNA biosynthesis/chromatin structure, rat liver
5745.

Corynebacterium diphtheriae,

RNA biosynthesis, regulation-diphtheria toxin biosynthesis
260.

Corynebacterium fascians,

tRNA, zeatin (cis-ribosyl), isolation/identification 2932.

Cosmarium margaritiferum,

sulphur-containing nucleotide-peptide complex, isolation/
activity 1852.

Cotton,

see also *Gossypium*

< r RNA/DNA complementarity, effect of < γ > irradiation
398.

plant, leaf, *Verticillium* -infected, RNA biosynthesis 5774.

seed, ribosome isolation 4788.

Coumaric acid,

metabolism, *Glycine max* , effect of cytokinin 5434.

Coumarin,

derivatives, effect on RNA biosynthesis/DNA biosynthesis/
protein biosynthesis, Ehrlich ascites carcinoma 864.

Coumermycin,

relaxation-*Escherichia coli* superhelical DNA 3543.

Coupling factor I,

gene, chloroplast DNA + nuclear DNA-associated,
Nicotiana 4541.

- Cowpea chlorotic mottle virus**,
infected *Vigna unguiculata* leaf, RNA replicase properties 6186.
purification-RNA 2608.
RNA, conformation 4288.
RNA, degradation in situ 3482.
RNA/nucleoprotein composition following replication, *Chenopodium hybridum* 4601.
RNA replication, effect of temperature 4887.
- Cowpea mosaic virus**,
isolates, RNA complementation/pseudorecombination 4286.
RNA, 3'-terminal characterization 3443.
mRNA translation, inhibition-GTP(7-methyl), cap analogue 4724.
- Cowpox virus**,
DNA, restriction endonuclease cleavage analysis, comparison-rabbitpox virus/vaccinia virus/ectromelia virus/fowl pox virus 1535.
DNase, assay 3258.
- Coxiella burnetii**,
infection-mouse L cell, effect on RNA biosynthesis 4902.
nucleotide synthesis, role RNA biosynthesis 2291.
- Crangon crangon**,
integument/abdominal muscle/digestive gland, DNA content during moult cycle 4934.
- Creatine phosphokinase**,
nuclease activity, effect on mRNA stability 4545.
- Crepis capillaris**,
differentiation, DNA content/nuclear structure 3863.
- Crithidia fasciculata**,
RNA, characterization 3447.
rRNA, characterization, comparison-*Trypanosoma brucei* / *Leishmania tropica* 3815.
- Crithidia luciliae**,
kinetoplast DNA, use-DNA antibody determination 591.
- Crithidia oncopelti**,
nucleolus, RNA polymerase activity 2828.
- Crocodylus niloticus**,
histone H2B sequence, comparison-*Xenopus laevis*/Gallus domesticus 2882.
- Crotalus adamanteus**,
exonuclease, heterogeneity 1088.
phosphodiesterase, DNA-specific endonuclease single-stranded, characterization 2431.
- Croton oil**,
effect on DNA biosynthesis, mouse epidermis 2392.
effect on DNase (acid) activity, mouse interfollicular epidermis 1691.
- Crown gall tumour**,
Agrobacterium tumefaciens -infected *Nicotiana tabacum*, detection-plasmid gene 5180.
induction, Umbelliferae/Solanaceae/Compositae, effect on DNA content 4381.
tobacco callus, plasmid Ti DNA transcription 828.
- Cryptococcus albidus**,
RNA biosynthesis/growth, effect of temperature 4892.
- Cryptococcus neoformans**,
DNA biosynthesis/RNA biosynthesis, effect of cytosine (5-fluoro) 479.
- Crystallin**,
mRNA, calf lens, translation *Xenopus* oocyte 5796.
- α -Crystallin**,
mRNA, bicistronic nature, calf lens 2664.
- β -Crystallin**,
biosynthesis, calf eye lens polyribosome, cell-free system 219.
- δ -Crystallin**,
gene expression, control, during lens cell development, chicken 1081.
- CTP**,
analogue, substrate properties-tRNA nucleotidyltransferase 2203.
determination, method 695.
- CTP arabinoside**,
inhibition-deoxynucleotidyl transferase (terminal)/DNA polymerase α /DNA polymerase β /DNA polymerase γ , kinetics 1137.
- inhibition-DNA polymerase α , mouse myeloma 6201.
- CTP:cholinephosphate cytidyltransferase**,
purification/characterization, rat liver 2472.
- CTP synthetase**,
activity, rat hepatoma cell 2474.
- Cucumber mosaic virus**,
RNA, nucleotide sequence homology 3809.
RNA, sequence homology determination 258.
RNA sequence homology-tomato aspermy virus 5701.
RNA 5, characterization 1406.
RNA 5, induction-lethal disease, *Lycopersicon esculentum* 4352.
satellite RNA, characterization 3444.
satellite RNA, replication/survival, in vivo 4869.
- Cucumber pale fruit viroid**,
structure 3441.
thermodynamics 3442.
- Cucumber virus 4**,
RNA, binding-protein, formaldehyde-induced 1925.
RNA structure, comparison-tobacco mosaic virus, Raman spectra 4838.
- Cucumis melo**,
DNA, rRNA gene distribution 2737.
RNA biosynthesis, effect of kinetin 1431.
seed, fate-*Micrococcus lysodeikticus* DNA 6089.
- Cucumis sativus**,
cytokinin-induced growth, polyamine content, association-DNA biosynthesis/RNA biosynthesis 4314.
- Cucumis sativus**,
fruit set, role-RNA biosynthesis 318.
satellite DNA, analysis 1567.
- Cuscuta chinensis**,
DNA/RNA content 3497.
- CV-1 cell**,
UV-irradiation damage, excision repair, mechanism 3960.
nucleus, RNA biosynthesis, effect of localized UV-irradiation 843.
- Cyanophage S-2L**,
DNA, identification-adenine (2-amino) 935.
- Cycasin**,
DNA damage, detection nitrosodimethylamine 5862.
- Cyclohexene**,
induction-DNA breakage, aerosolized *Escherichia coli* 1985.
- Cycloheximide**,
effect on γ -irradiation-induced nucleoprotein degradation, rat thymocyte/mouse thymus 598.
effect on adenovirus (human) 2 mRNA accumulation 3083.
effect on cortisol induction-tyrosine aminotransferase/tryptophan oxygenase mRNA, rat liver 4325.
effect on perichromatin granule, rat hepatocyte 1776.
effect on protein biosynthesis/RNA polymerase activity, rat muscle 5603.
effect on protein/DNA/RNA biosynthesis, *Tetrahymena* 4776.
effect on replicative intermediate DNA maturation,

Cycloheximide, (continued)

- Tarrahymena pyriformis* 4506.
 effect on RNA polymerase, rat 1121.
 effect on RNA polymerase I/nucleolar template activity, rat liver nucleolus 1121.
 effect on RNA polymerase I/RNA polymerase II activity, mouse liver nucleus 5250.
 effect on tryptophan oxygenase mRNA induction-hydrocortisone, rat liver 4873.
 inhibition-DNA biosynthesis, mechanism, BALB/3T3 cell 489.
 stabilization polyribosomal mRNA, rat liver 4920.
 stimulation-rRNA biosynthesis during amino acid starvation, ascites tumour 4332.

Cyclophosphamide,

- binding-calf thymus DNA 3138.
trans-Cyclopropylbis(diketopiperazine),
 effect on DNA biosynthesis/DNA repair 5119.

Cylindrotheca fusiformis,

- DNA polymerase, distribution/exonuclease activity 1132.
 DNA polymerase, purification/characterization 1131.
 DNA polymerase/DNA-binding protein biosynthesis during silicate starvation 531.

Cymbidium,

- repetitive DNA/heterochromatin, role-evolution 5976.

Cynosurus mottle virus,

- RNA, characterization 5699.

Cyprinus carpio,

- proinsulin. RNA-directed biosynthesis. *Xenopus laevis* oocyte 4917.

Cystamine,

- incorporation, histone/nonhistone protein, effect on chromatin degradation/sulphydryl group level 4067.

Cystathionine γ -Synthetase,

- biosynthesis in vitro, DNA-directed, *Escherichia coli* K12 4218.

Cysteamine,

- effect on repair-irradiation-induced single-stranded breakage, Chinese hamster cell DNA 1029.

- interaction-DNA, characterization 5873.

- radioprotection mechanism, *Escherichia coli* 5105.

Cysteine,

- reaction-S-alkylated cytidine(2-thio) 5454.

- reaction-uracil (5-chloro) derivatives 88.

- mRNA, biosynthesis regulation, *Escherichia coli* K12, use-transducing phage λ 1949.

L-Cysteine hydrochloride,

- effect on DNA biosynthesis/protein biosynthesis,

- phytohaemagglutinin-stimulated lymphocyte 2404.

- effect on lymphocyte phytohaemagglutinin induced DNA biosynthesis 2403.

Cytidine,

- chromatography (gas) 663.

- dielectric studies 1283.

- immobilization-agarose 4703.

- NMR 677.

- pulse-polarographic wave height, effect of initial potential 3894.

- reaction- cis- diclorobis(1- methylimidazole -2-thiol)pa/ cis- dichlorobis(1- methylimidazole -2-thiol)p. NMR 91.

- reaction-chloroacetaldehyde, kinetics/intermediate characterization 3222.

- silver complex, NMR 2169.

- substrate competition-uridine, uridine kinase 579.

Cytidine (6-Aza),

- conformation 2532.

Cytidine (5'-aza-2-deoxy),

- incorporation-mouse leukaemia DNA 1287.
 metabolism/incorporation, proliferating cells 2949.

Cytidine (5-Bromodeoxy),

- Raman spectra 4151.

Cytidine (cyclo),

- stimulation-epidermal growth factor/amylase secretion.

- mouse submandibular gland 1844.

- treatment-herpes simplex virus keratitis 3728, 4148.

Cytidine (3-deaza),

- effect on thymidine incorporation, monolayer/suspension cell culture 2951.

- synthesis 2153.

- X-ray crystallography 108.

Cytidine (deoxy),

- effect on uridine(5-bromodeoxy) pigmentation suppression, Syrian hamster melanoma cell 681.

- excretion, urine, Yoshida ascites sarcoma-bearing rat 2175.

- halogen analogue, inhibition-herpes simplex virus 2,

- induction-pyrimidine nucleoside kinase 3349.

- halogenated, inhibition-varicella-zoster virus replication 5504.

- incorporation-rat thymocyte DNA, effect of serine 1286.

- iodine-125-labelled, use-herpes simplex virus 1 thymidine kinase assay 1156.

- transport, *Escherichia coli*, energy coupling mechanism 4691.

Cytidine (3'-Deoxy),

- inhibition-DNA biosynthesis, 3T3 cell 4712.

Cytidine (2'-deoxy- ψ -iso),

- synthesis 1836.

Cytidine (deoxyazido),

- inhibition-polyoma virus DNA biosynthesis 1294.

Cytidine (dihydro-5-Aza),

- synthesis 4137.

Cytidine (3 N⁴-etheno),

- formation, vinyl chloride alkylation-rat liver RNA 4194.

Cytidine (O²-Ethyl),

- stability, effect of pH 2944.

Cytidine (O⁴-Ethyl),

- stability, effect of pH 2944.

Cytidine (5-ethynyl),

- synthesis 1825.

Cytidine (N⁴-Hydroxy),

- reduction, *Salmonella typhimurium* 2174.

Cytidine (pseudoiso),

- synthesis 3344.

Cytidine (2-thio),

- S-alkylated, reaction-cysteine/lysine 5454.

Cytidine (2-Thio-6-Aza),

- synthesis 5455.

Cytidine arabinoside,

- effect on DNA/RNA biosynthesis, mouse bone marrow 4513.

Cytidine 2',3'-Cyclophosphate,

- X-ray diffraction 5533.

Cytidine deaminase,

- deamination-cytosine nucleoside, structural requirement 4702.

 α -Cytidine,

- X-ray diffraction 109.

S-Cytidyl homocysteine,

- effect on DNA methylase activity, *Escherichia coli* /phage DDDV 5288.

Cytidylyl (iodo)guanosine,

ethidium complex, X-ray crystallography 708.

Cytidylyl-(2',5')-adenosine,

binding-pancreatic RNase S, structure 2553.

Cytidylyl-(3',5')-Adenosine,

analogue, circular dichroism 3741.

derivative, adenosine (3'-amino-3'-deoxy)-containing, synthesis 5546.

Cytidylyl-(3',5')-cytidine,

conformation, effect of ribose methylation, NMR 1308.

Cytidylyl-(3',5')-Cytidylyl(3',5')-Adenosine,

derivative, adenosine (3'-amino-3'-deoxy)-containing, synthesis 5546.

Cytidylyl-(3',5')-guanosine,

interaction-cis-platinum diamminodichloride 4170.

proflavine complex, X-ray crystallography 154.

Cytochalasin B,

effect on DNA biosynthesis/RNA biosynthesis/effect of, *Mycoplasma gallisepticum* 2765.

stimulation-DNA biosynthesis, proliferative epidermis/dermis cell 4512.

Cytochrome c,

gene, *Saccharomyces cerevisiae* chromosome, mapping 4087.
polyamine bridge, use-avidin:biotin gene mapping method 3507.

mRNA, level, *Saccharomyces cerevisiae*, glucose repression 4916.

Cytochrome c oxidase,

gene, identification, *Saccharomyces cerevisiae* mitochondrial DNA 5052.

mRNA, yeast, isolation/mapping 2626.

Cytochrome P450,

activation-benzo(a)pyrene binding-DNA 5856.

role-polyribosome binding-rat liver microsome membrane 2228.

Cytokinin,

activity, purine (6-(3-methyl-2-butenylamino))/purine (6-benzylamino)/purine (6-furfurylamino) 5431.

binding-*Nicotiana tabacum* cells 49.

effect on coumaric acid metabolism, *Glycine max* 5434.

effect on rRNA biosynthesis, pumpkin cotyledon plastid/cytoplasm 4342.

effect on RNA polymerase activity during leaf senescence, *Hordeum vulgare* 3618.

induced, *Cucumis sativus* growth, polyamine content,

association-DNA biosynthesis/RNA biosynthesis 4314.

inhibition-poly (ADP-ribose) polymerase 4116.

isolation/identification, *Lupinus luteus* tRNA 2160.

regulation-polyribosome formation/protein synthesis, *Glycine max* 1371.

role-protein biosynthesis translation control, *Glycine max* 3007.

Cytomegalovirus,

DNA, characterization 439.

DNA, molecular weight 5013.

DNA, replicative intermediate 4442.

DNA biosynthesis, infected 3T3 cell 6001.

DNA sequence, detection-human colon adenocarcinoma 3974.

early expression human embryo lung cell, effect of UV-irradiation 997.

genome, persistence-human lymphoblastoid cell line 6116.

human brain, DNA characterization 5022.

induction-DNA biosynthesis, human embryo lung cell 472.

infected human fibroblast, enhanced poliovirus 1 replication

6007.

infection, mouse, treatment-poly(I-C) 2192.

murine, DNA biosynthesis, infected non-permissive mouse fibroblast 1001.

murine, heat-inactivated, effect on DNA biosynthesis, infected cell 6004.

murine strain, RNA biosynthesis, regulation 5735.

protein biosynthesis, association-DNA biosynthesis 5596.

replication, effect of caffeine, normal/UV-irradiation-treated human embryo lung/kidney cell 6020.

transformed human embryo cell line, herpes simplex virus replication 6013.

Cytoplasmic polyhedrosis virus,

RNA, physical properties 2257.

RNA biosynthesis, effect of S-adenosylmethionine/S-adenosylhomocysteine/adenosine 4885.

mRNA biosynthesis, pretranscription capping 3063.

Cytosine,

+ adenine-containing polynucleotide, interaction-peptide, circular dichroism 3742.

affinity-electrophile 648.

binding-monovalent anion 38.

complex-copper, structure 3707.

content, DNA/RNA, determination-chromatography (high performance liquid) 1525.

derivative, addition-bisulphite 651.

effect of ultrasound 42.

ethylation-triethyl phosphate 2929.

excited state, electron spectrum, role-DNA photodimer formation 2927.

interaction-gold complex, NMR 649.

interaction-water, potential 1260.

modification, *Escherichia coli* ϕ RNA 16S, effect on ribosomal subunit 30S reconstitution/function 209.

polarization 4687.

polarographic behaviour 3701.

reaction-chloroacetaldehyde, kinetics/intermediate characterization 3722.

residue, DNA, reaction-hydrazine, 3-ureidopyrazole, product identification 5874.

UV-spectroscopy 3338.

tautomerism/stability 1257.

valence electronic structure 4121.

Cytosine (5-aza),

effect on UV-irradiation resistance, *Escherichia coli* 1272.

UV-spectroscopy 3338.

Cytosine (6-Aza),

UV-spectroscopy 3338.

Cytosine (3-Deaza),

synthesis 2153.

Cytosine (5-ethynyl),

synthesis 1825.

Cytosine (5-fluoro),

antifungal activity, *Candida albicans*, mechanism 4694.

effect on DNA biosynthesis/RNA biosynthesis, *Candida albicans* /*Cryptococcus neoformans* /*Aspergillus fumigatus* 479.

review 2.

Cytosine (iso),

alkylated derivative, amino group acidity 638.

Cytosine (methyl),

derivative, photosensitization, dimer formation 2926.

Cytosine (1-Methyl) triiodide,

X-ray diffraction 5420.

Cytosine (1-methyl),

uracil (5-fluoro) complex, X-irradiation, free radical formation, ESR 3703.

Cytosine (1-methyl),(continued)

X-ray diffraction 1824.

Cytosine (1,N⁴-Methyl),

interaction-isopropanol 4120.

Cytosine (3-methyl),

content, DNA/RNA, determination-chromatography (high performance liquid) 1525.

X-ray diffraction 5419.

Cytosine (5-methyl),

antiviral activity, herpesvirus infection 5507.

content, DNA/RNA, determination-chromatography (high performance liquid) 1525.

content, plant DNA, effect of flowering gradient 4523.

content, rat hepatoma DNA, effect of uridine (bromodeoxy) incorporation 1289.

content, wheat DNA, during ontogenesis 1054.

detection-DNA sequence 3706.

distribution-DNA, plants 414.

incorporation-*Triticum* DNA 2928.

localization, chromosome DNA, L cell 5068.

Cytosine (1-Methyl-5,6-Dihydro),

deamination, kinetics/mechanisms 37.

Cytosine (2-phenylethene),

substituted, properties 4125.

Cytosine arabinoside,

antiviral agent, herpes simplex virus 5484.

assay, laser light scattering 5444.

6-aza derivative, synthesis 5455.

effect on glutamine synthetase accumulation, chick embryo neural retina 120.

effect on nuclear polyhedrosis virus replication, *Spodoptera frugiperda* cell culture 119.

induction-alkaline phosphatase, choriocarcinoma cell 118.

induction-transplacental dysgenetic hydrocephalus, mouse 72, 660.

platinum complex, X-ray diffraction 5469.

treatment-herpes simplex virus encephalitis 3340.

treatment, rat L5222 leukaemia, cell kinetic response 5435.

use-leukaemia (acute myelogenous) treatment, association-paraparesis 2541.

Cytosine arabinoside (3'-Deoxy),

3'-substituted, synthesis 4138.

Cytosine monohydrate,

irradiated, ENDOR 650.

Cytosine nucleoside,

deamination, kinetics 671.

deamination cytidine deaminase, structural requirement 4702.

Cytosine(thio) picrate,

X-ray crystallography 55.

Cytosol,

effects on RNA biosynthesis, brain nuclei, mice 288.

rabbit reticulocyte, tRNA (histidyl) synthetase, purification/properties 3380.

C3H cell,

DNA biosynthesis initiation, inhibition-colchicine 1632.

Darna trima,

RNA virus, isolation/characterization 4835.

Dasypus novemcinctus,

chromatin ultrastructure during spermatogenesis 5330.

Daucus carota,

cell, isolation-rapidly labelled RNA 2253.

Daunomycin,

binding-DNA/poly(I-C) 916.

derivative, interaction-DNA 5851.

DNA complex, cytostatic activity, Ehrlich ascites cell 3598.

effect on bovine pancreas DNase I activity 2446.

effect on DNA polymerase I activity 1724.

effect on DNA repair, mouse 2390.

effect on DNA repair, xeroderma pigmentosum cell culture 483.

inhibition-DNA recombination, *Streptococcus pneumoniae* 1658.

interaction-DNA, thermodynamics 381.

interaction-polydeoxyribonucleotide 4182.

interaction-yeast tRNA 718.

Daunorubicin,

binding-DNA, analysis method 5875.

DNA complex, plasma level/metabolism, rabbit 1639.

Daunorubicin(demethoxy),

derivative, effect on DNA biosynthesis/RNA biosynthesis, relationship-cytotoxicity, HeLa cell 1613.

Daunosamine,

nucleoside derivative, synthesis 90.

DEAE-cellulose,

benzoylated, DNA fractionation 4384.

1-Decanol,

induced epidermal hyperplasia, mouse skin, DNA biosynthesis 5140.

Defective-interfering particle,

H-1 virus, characterization 5920.

RNA, 3'-terminal nucleotide sequence, homology-vesicular stomatitis virus 5683.

RNA biosynthesis, vesicular stomatitis virus 832.

Dehydrogenase,

complex formation-platinum + DNA/RNA/AMP/ATP 5522.

Dendrophthoe falcata,

seed, RNase DNase activity/properties during development 1089.

Densonucleosis virus,

DNA, structure 5025.

Deoxycytidine kinase,

activity, cytosine arabinoside-sensitive cell, comparison-resistant cell 4035.

inhibition pyrimidine derivative 4688.

structure, cytosine arabinoside-sensitive cell, comparison-resistant cell 4034.

Deoxynucleotide kinase,mRNA, phage T4, stabilization, role-*Escherichia coli* ribosome 4243.**Deoxynucleotide monophosphatase,**

phage T5-induced, properties 1157.

Deoxynucleotidyl transferase (terminal),

activity, acute leukaemia 2100.

activity, B/T-lymphocyte 6204.

activity, cacodylate buffer 1728.

activity, effect of buffer 5267.

activity, human lymphoma 1729.

activity, leukaemia (acute lymphoblastic)/leukaemia (T-derived chronic lymphocytic), human 2844.

activity, leukaemia (acute lymphocytic)/leukaemia (acute myelocytic) 6189.

Dane particle,

DNA polymerase, activation-potassium chloride/Nonidet P-40 4022.

Dapmavarone,

inhibition-deoxynucleotidyltransferase (terminal), human leukocyte, leukaemia/normal 6203.

Deoxynucleotidyl transferase (terminal),(continued)
activity, leukaemia (chronic myelogenous) 2841.
activity, Mason-Pfizer monkey virus/mammary tumour virus/
Rauscher leukaemia virus 2842.
assay 1138.
characterization, leukaemia (acute lymphoblastic) cell 2843.
distribution, bone marrow/thymus, rat 570.
distribution-thymocyte/bone marrow cell, normal/leukaemia
mouse 1730.
inhibition-ATP, mechanism 6202.
inhibition-ATP arabinoside/CTP arabinoside, kinetics 1137.
inhibition-geldanamycin/streptoval C/streptovarone/
dapmavarone, normal/leukaemia human leukocyte 6203.

Deoxyribonucleoprotein,
see also **Nucleoprotein**
calf thymus, dissociation, effect of-noradrenaline 4050.
calf thymus, occurrence-iron/nickel/copper/zinc 1754.
chromatin, interaction-chick liver nuclear RNA 5S 789.
complex, detection-rheumatoid arthritis pleural fluid 3286.
conformational mobility, NMR 3998.
DNA, binding-aluminium, pea root nucleus 1755.
enzymatic degradation, effect of polyanion 4048.
fluorescence polarization, effect of acridine orange 6234.
herring sperm nucleus, composition 6235.
replicative intermediate, characterization, adenovirus
(human) 2-infected HeLa cell 4600.
sea urchin, structure/template activity 6258.

Deoxyribonucleoside, see Nucleoside (deoxyribo),
Deoxyribonucleotide, see Nucleotide (deoxyribo),
Deoxyribose,
conformation, DNA A-form/B-form 415.

Dermis,
cell, proliferative, DNA biosynthesis, stimulation-
cytochalasin B 4512.

Detergent,
effect on *Bacillus megaterium* ribosomal subunit precursor
2591.
effect on 5'-nucleotidase activity 6214.

Dexamethasone,
effect on DNA biosynthesis, mouse skin 2777.
effect on inflammatory exudate induction-DNA biosynthesis,
rat macrophage 6059.
effect on mammary tumour virus transcription, monkey
chromatin cell-free system 1432.
effect on mammary tumour virus unintegrated DNA
production, infected rat hepatoma cell 6015.
regulation-mouse mammary tumour virus gene 5932.

Dextran sulphate,
DNA contamination, inhibition-phage PBS2/phage T4/
Bacillus subtilis DNA polymerase 5258.

Diadenosine pentaphosphate,
binding-adenylate kinase 1859.

Diadenosine tetraphosphate,
stimulation-DNA replication, BHK cell 2558.

4,6-Diamidino-2-phenylindole,
binding-DNA 3880.
effect on restriction endonuclease Eco RI restriction-plasmid
Col EI DNA 4562.
inhibition-RNA polymerase, *Escherichia coli*/Friend
leukaemia virus-infected spleen, mice, dependence-templates
base composition 518.
interaction-DNA/polynucleotide 2329.
use-DNA assay 350.

2,5-Diaminonaphthoquinone imine,
interaction-calf thymus DNA, in vitro, inhibition-DNA
biosynthesis, Ehrlich ascites carcinoma 1514.

3,8-Diaminophenanthridium,
derivative, complex-DNA, circular dichroism 4979.

1,3-Diaminopropane,
inhibition-DNA biosynthesis stimulation-polyamine,
regenerating rat liver 1042.

Diammine platinum(II),
reaction-GMP/CMP/AMP/UMP/TMP, Raman spectra
4156.
reaction-poly (G)/GMP 4154.

Diazene,
binding-*Saccharomyces cerevisiae* DNA 2316.

Diazoacetyl-alanine ethyl ester,
effect on DNA repair 1599.

N-Diazoacetyl-glycine amide,
DNA damage/repair, BALB/c cell 2761.
effect on DNA repair 1599.
treated, mouse fibroblast cell, DNA damage/repair 909.

Diazoacetyl-glycine hydrazide,
effect on DNA repair 1599.

Diazoacetyl-glycine methylamide,
effect on DNA repair 1599.

4-Diazobenzoic acid,
coupling-DNA, use-chromatography (affinity) 3139.

Dibutylnitrosamine,
effect on DNA biosynthesis, mouse bladder 4493.
effect on DNA biosynthesis/cell proliferation, mouse bladder
epithelium 2769.

5,6-Dichloro-1-β-D-ribofuranosylbenzimidazole,
induction-premature termination, late transcription,
adenovirus (human) 2 3461.

cis-Dichlorodiammine platinum (II),
modification-irradiation-induced DNA damage, *Escherichia
coli* 1506.
radioprotection-DNA damage-γ-irradiation, *Escherichia coli*
4972.
role-radiosensitizer, irradiation (ionizing) effect on DNA
5121.

Dichloropicolinic acid,
effect on RNA biosynthesis, *Glycine max* 3093.

5,6-Dichloro-1-β-D-ribofuranosylbenzimidazole,
inhibition-adenovirus (human) 2 replication, KB cell 5126.
inhibition-RNA polymerase, mammals 529.

Dictyostelium discoideum,
chromatin structure 2892.
differentiation, inhibition-uridine (5-bromo-2'-deoxy) 4718.
membrane-bound ribosome, rRNA, isolation/
characterization 4818.
protein biosynthesis, translation regulation during
differentiation 748.
ribonucleoprotein, isolation/characterization 1174.
rRNA, isolation method 1392.
rRNA precursor/RNA 5S, 5'-terminal analysis 2263.
rRNA 18S primary structure, comparison-*Bombyx mori* /
mouse/wheat germ 4296.
RNA 4-12S, electrophoresis 236.

N,N-Dicyclohexylcarbodiimide,
interaction-poly(U) 704.

Didinium nasutum,
mitochondrial ribosome/rRNA, characterization 4784.

Diethyl azidocarboxylate,
triphenylphosphane system, modification-nucleoside 3717.

Diethyl ether,
induction-RNA biosynthesis, *Trichosia pubescens* 5760.

Diethylnitrosamine,

DNA ethylation, rat liver 1976.

effect on DNA biosynthesis/protein biosynthesis, rat liver 2389.

effect on rat liver chromatin/DNA transition temperature 3665.

induced damage, rat liver DNA, in vivo repair 2393.

induction-carcinogenesis, correlation-DNA repair, rat 6029.

Diethylpyrocarbonate,

modification. *Aspergillus saitoi* RNase Ms 2813.

use-vitellogenin mRNA isolation-chicken liver 3034.

Diethylstilboestrol,

effect on DNA biosynthesis, rat pituitary gland 6016.

treated, human, vagina/cervix squamous cells, DNA content 322.

Digitoxin,

effect on poly (A)-containing RNA biosynthesis during cardiac hypertrophy, rat 1449.

Dihydrofolate reductase,

gene, carrying, DNA fragment, isolation-*Escherichia coli* trimethoprim resistance R factor 5835.

gene multiplication, methotrexate-resistant mouse sarcoma cell 5197.

interaction-methotrexate, effect on DNA biosynthesis, leukaemia cell 2785.

1 α ,25-Dihydroxycholecalciferol,

effect on RNA polymerase activity, chick intestine 6173.

1,25-Dihydroxyvitamin D₃,

regulation-calcium-binding protein mRNA, chicken 5750.

Diketene,

reaction-DNA photoreactivating enzyme 2859.

Dimethyl sulphate,

alkylation-DNA, Chinese hamster cell, repair 5111.

alkylation-DNA, reactivity-thymidyl-(3'-5'-)-thymidine 4958.

effect on DNA secondary structure 2317.

Dimethyl sulphoxide,

effect on DNA, mouse erythroleukaemia cell 3933.

effect on α -globin/ β -globin mRNA accumulation, mouse erythroleukaemia cell 333.

effects on RNA polymerase activity, liver, rats 522.

stimulation-DNA biosynthesis, Novikoff hepatoma cells 466.

7,12-Dimethylbenz(a)anthracene,

effect on tRNA (aminoacyl)-ribosome binding, rat liver 1377.

binding-DNA, cultured fibroblast, correlation-species life span 1974.

binding-DNA, hamster embryo cell, effect of 7,8-benzoflavone treatment 5860.

binding-DNA, mammalian cell, product photosensitivity 394.

binding-DNA, mouse skin/rat liver microsome 2319.

binding-DNA, rat mammary gland/liver 3128.

effect on DNA biosynthesis/protein biosynthesis, rat liver 2389.

effect on RNA biosynthesis pattern, rat mammary gland epithelium 3088.

interaction-DNA 5859.

7,12-Dimethylbenz(a)anthracene-5,6-oxide,

interaction-guanosine/inosine 88.

Dimethyl-3,3'-Dithio-bispropionimide,

cross-linking-vesicular stomatitis virus protein 6314.

1,2-Dimethylhydrazine,

alkylation-DNA, formation-guanine (O⁶-methyl), rat liver/colon/kidney 2690.

alkylation-DNA, rat, organ specificity 1970.

binding-DNA, human colon mucosa 906.

DNA damage, detection method 5862.

Dimethylnitrosamine,

binding-DNA, human colon mucosa 906.

DNA methyl phosphotriester formation/stability, rat 4964.

effect on DNA biosynthesis/thymidine kinase induction, regenerating rat liver 5116.

effect on DNA content, regenerating rat liver 1021.

effect on DNA repair pattern, comparison-methyl methanesulphonate, rat liver 2033.

effect on polyribosome/protein biosynthesis, rat liver 4794.

effect on rat liver chromatin/DNA transition temperature 3665.

effect on ribosome/initiation factor activity, rat liver protein biosynthesis 2206.

induced damage, rat liver DNA, in vivo repair 2393.

inhibition-DNA biosynthesis, regenerating rat liver 488.

inhibition-protein biosynthesis, rat liver, effect on initiation factor activity 5649.

interaction-DNA 4961.

methylation-DNA, effect of partial hepatectomy/carbon tetrachloride, rat liver 2031.

Dimilin,

inhibition-DNA biosynthesis, *Anthonomus grandis* 2398.

2,4-Dinitrophenol,

effect on transcription, *Allium cepa* root cell 4331.

Dinucleoside,

see also **specific Nucleosides**

drug complex, conformation 2184.

Dinucleoside (aminoacyl) phosphate,

inhibition-chloramphenicol binding-*Escherichia coli* ribosome 3403.

Dinucleoside monophosphate,

adenine/thymine-containing, conformation 2967.

adenosine (8,2'-S-cyclo), n.m.r. 115.

conformation, aqueous solution 2552.

enzymatic synthesis 3751.

interaction-propidium diiodide, NMR 705.

solution properties 4172.

Dinucleoside phosphate,

conformation, effect of uridine 5'-substitution 2186.

determination, electrophoresis 152.

uracil (4-thio)-containing, circular dichroism 1864.

Dinucleoside polyphosphate,

inhibition-ribonucleoside diphosphate reductase, CHO cell 2190.

regulation-RNA biosynthesis/DNA biosynthesis/protein biosynthesis, CHO cell 2189.

Dinucleoside pyrophosphate,

prebiotic synthesis 5545.

Dinucleotide,

see also **specific Nucleotides**

optical activity 3360.

preparation, use-sheep kidney nuclease 6129.

synthesis 5544.

Dinucleotide (deoxy),

complex-9-aminoacridine, NMR 4727.

5'-phosphodianilidate-containing, isolation, use-solvent extraction 3733.

potential energy 4731.

Dinucleotide amide,

glyoxal/bromoacetyl-containing, synthesis 1301.

Dioxouranium(VI),

interaction-RNase 1097.

Diphenyl chlorophosphate,

interaction-poly(U) 704.

1,3-Diphosphoglycerate,

acylation-histone 2877.

***Diplococcus pneumoniae*,**restriction endonuclease, cleavage *Escherichia coli* DNA,

Okazaki fragment terminal determination 2726.

restriction endonuclease, specificity, relationship-DNA
methylation 1107.***Dipodomys ordii*,**satellite DNA sequence, comparison-*Cavia porcellus* /*Thomomys bottae* / *Ammospermophilus leucurus* 971.**Dipyridamole,**effect on DNA biosynthesis, rat myocardium/skeletal muscle
2772.

inhibition-menovirus replication, L cell/FL cell 290.

Diquat,

effect on DNA biosynthesis, rat lung 1623.

Distamycin,

complex-DNA, circular dichroism 3878, 3879.

interaction-DNA 3875.

Distamycin A,

binding-DNA, model 3874.

binding-DNA, protection-restriction endonuclease cleavage,
use-mapping 1499.

complex-DNA, absorbance 5877.

complex formation-DNA, kinetics 3500.

inhibition-DNA polymerase/RNA polymerase, review 3318.

Disulphide,

effect on thiol content, rat spleen chromatin 5342.

role-pyrimidine (dichloro) antiviral activity 2157.

Dithioglycolic acid diazide,reaction-*Escherichia coli* MRE-600 ribosome 1907.**Dithiothreitol,**

treated, polyoma virus, DNA-protein complex,

characterization 5360.

DNA,see also **Mitochondrial DNA, Nuclear DNA, Satellite DNA,**
Transforming DNA

-OH adduct, effect of oxygen 4726.

UV- irradiation, spectrum 416.

 γ -irradiation-induced single-stranded breakage, effect of
nitrogen/nitrous oxide, mouse leukaemia cell culture 910.

A-form, intercalation-proflavine, model 912.

A-form/B-form, deoxyribose conformation 415.

A-form/B-form, refinement 920.

A-form/B-form, vibration mode 1523.

A-form-B-form transition, induction spermine/spermidine
4419.A-type particle-associated, relationship-mammary tumour
virus RNA 805.accumulation during cell cycle, *Streptococcus faecium* 6075.

accumulation during SV40 replication 3938.

acridine complex, flow dichroism/flow polarized fluorescence/
viscosity 390.

acridine orange staining during mitosis, effect of pH 1477.

activity, *Alytes obstetricans* intestine, effect of thyroxine
3233.adeno-associated virus, restriction endonuclease mapping/
terminal arrangement 440.adeno-associated virus, terminal fragment nucleotide
sequence 441.adenovirus (human) 12, detection-induced hamster tumour
518.adenovirus (human) 12, insertion/deletion analysis, following
replication, infected Vero cell 5021.

adenovirus (human) 12, replication initiation site, 5'-terminal

nucleotide analysis 3911.

adenovirus (human) 2, infectivity, human embryo kidney cell
5155.adenovirus (human) 2, restriction endonuclease HaeIII
cleavage site determination 4448.adenovirus (human) 2, restriction endonuclease EcoRI
fragment, mapping-restriction endonuclease HaeIII cleavage
site 4449.

adenovirus (human) 2, RNA transcription initiation site 941.

adenovirus (human) 5, 3'-terminal/5'-terminal nucleotide
sequence 2353.adenovirus (human) 5, transcription-transformed rat embryo
cell 3831.adenovirus (human) 5/adenovirus (avian) association-cellular
DNA, infected human/chick embryo cell 2380.

adenovirus (human) 6, characterization 3914, 4438.

adenovirus (human) 6, *Streptomyces albus* restriction
endonuclease analysis 2721.adenovirus (human) 7, restriction endonuclease cleavage
mapping 946.

adenovirus, RNA 5-5S transcription in vitro 4865.

adenovirus (simian) 7, analysis, use-restriction endonuclease
cleavage 4440.adenovirus (simian) 7, restriction endonuclease cleavage site
4542.adenovirus (simian) 7/adenovirus (human) 6, hamster cell
culture infection/tumour-induction 6079.

adsorption-mercury electrode interface 3901.

adsorption-mercury/electrolyte interface, model 3893.
aflatoxin B₁ adduct, hydrolysis product, characterization
1972.

AKR leukaemia virus, detection mouse chromosome 1481.

alien, detection, *Triticum* 4937.

alkylated, extraction, use-phenol, L1210 leukaemia cell 4266.

alkylated, guanine (O⁶-methyl) assay 3710.alkylated, phage T7, recombination, effect of nalidixic acid
1068.

alkylating agent reaction site 1978.

alkylation-dimethyl sulphate, Chinese hamster cell, repair
5111.alkylation-1,2-dimethylhydrazine, formation-guanine (O⁶-
methyl), rat liver/colon/kidney 2690.

alkylation-1,2-dimethylhydrazine, rat, organ specificity 1970.

alkylation-N-ethyl-N-nitrosourea/N-methyl-N-nitrosourea/
dimethyl sulphate/ethyl methanesulphonate, reactivity-
thymidyl (3'-5')-4958.aminoglycoside phosphotransferase gene, relationship-R
factor/antibiotic-producing bacteria 5045.*Amoeba proteus*, characterization 5946.

anodic voltammetry 4978.

antibiotic-resistance/degradative plasmid, *Pseudomonas*
putida transformation 3237.

antibody, assay 1750.

antibody, assay, use-*Crithidia luciliae* kinetoplast DNA,
substrate 6233.antibody, avidity/valency, rabbit/systemic lupus
erythematosus-human 2480.antibody, biosynthesis, role-T lymphocyte suppressor cell,
systemic lupus erythematosus, human 3285.antibody, biosynthesis-poly (A)-binding lymphocyte, normal/
autoimmune mouse 3283.

antibody, detection, method 4047.

antibody, detection, systemic lupus erythematosus, use-
diagnosis 6232.antibody, determination, Farr assay, comparison-*Crithidia*
luciliae immunofluorescent test 2479.

antibody, effect on RNA biosynthesis, systemic lupus

DNA,(continued)

- erythematosus, human 2656.
antibody, induction-lipopolysaccharide, mouse, mechanism 2863.
antibody, maternal, effect on immune response, offspring, mouse 590.
antibody, occurrence, human ankylosing spondylitis 4599.
antibody, occurrence, human glaucoma 587.
antibody, occurrence, nonlupoid cryoglobulinaemia, human 589.
antibody, role-systemic lupus erythematosus, review 1239.
antibody induction, relationship-polyclonal antibody formation, mouse 2864.
antigenic determinant size, systemic lupus erythematosus/rabbit antibody 592.
antioxidant activity, synergism-tocopherol 913.
apurinic site-specific endonuclease, activity, repair-deficient human cell line 4548.
apurinic site-specific endonuclease, isolation, *Hordeum vulgare* embryo 1692.
apurinic site-specific endonuclease, isolation/characterization, *hordeum vulgare* 5204.
apurinic site-specific endonuclease, purification/properties 6130.
apurinic site-specific endonuclease, xeroderma pigmentosum fibroblast, characterization 5203.
aqueous solution, γ -irradiation, product analysis 2323.
arrangement, Chinese hamster/*Triturus viridescens* chromosome 1562.
arrangement, herpes simplex virus 1 x herpes simplex virus 2 recombinant 443.
arrangement, phage P22/phage λ /phage T7 head, X-ray diffraction 932.
arrangement, phage T4 1532.
arrangement, polarized fluorescence microscopy 1520.
arrangement/transcription, *Triturus cristatus carnifex* chromosome 452.
Aspergillus nidulans, interaction-iron, role-sporulation 4948.
assay, flow microfluorometry 1966.
assay, modification-acriflavine-Feulgen method 346.
assay, *Saccharomyces cerevisiae*, flow cytometry 3492.
assay, use-<?bis>benzimidazole dye 348.
assay, use-<4',6->diamidino-2-phenylindole 350.
assay, use-thymine content chromatography (gas) 4370.
assembly-chromatin, mouse cell culture 5331.
att site structure, phage λ /bacteria 928.
Autographa californica/*Trichoplusia ni* nuclear polyhedrosis virus, restriction endonuclease analysis 5034.
avian myeloblastosis virus provirus, isolation, chicken leukaemia cell 5837.
avian myeloblastosis virus-specific, localization-leukaemia myeloblast nuclear DNA 509.
avian sarcoma virus, integration-transformed mammalian cell 1071.
avian sarcoma virus, occurrence, infected cell cytoplasm 1482.
Bacillus licheniformis/*Bacillus thuringiensis* phage, degradation-restriction endonuclease EcoRI 485.
Bacillus subtilis, association-cell wall 4475.
Bacillus subtilis, cloning, use plasmid pUB110 5190.
Bacillus subtilis, uptake-*Hordeum vulgare* 5163.
Bacillus subtilis nucleoid, isolation/characterization 3864.
Bacillus subtilis phage M2 genome, mapping 1531.
Bacillus subtilis phage SPO1, cleavage-restriction endonuclease EcoRI 6160.
Bacillus subtilis sphaeroplast, pyrimidine dimer quantitation 5942.
bacteria/phage T4, uptake-human cell culture 3592.
bacterial, correction-*Arabidopsis thaliana* thiamine mutant 6087.
bacterial, fate, barley/tobacco protoplasts 6085.
bacterial, sedimentation coefficient, association-structure 5939.
bacterial, transcription-Petunia hybrida DNA polymerase 1723.
bacterial, uptake/fate, *Scenedesmus obliquus* 1646.
bacterial, UV-irradiation sensitivity, role-base composition 953.
Bacterioides, homology 5049.
base analysis, use-chromatography (high performance liquid) 2923.
base composition, analysis, use-nuclease P1 digest UV-spectroscopy 2335.
base composition, *Bacterioides* 954.
base composition, effect on pressure stability 919.
base composition, *Levinea/citrobacter* 5043.
base composition, mouse/cow/chicken, electron microscopy, relationship-chromosome banding 5965.
base composition, *Prototheca* 3176.
base composition, yeast 3547.
base composition/homology, *Nocardia*, relationship-taxonomy 3545.
base composition/homology, Rhodococcus, relationship-taxonomy 3544.
base composition/size/sequence, comparison-*Pseudomonas putrefaciens*/*Pseudomonas rubescens*/*Pseudomonas piscicida* 3919.
base pair, spin-orbit coupling 3150.
base-pair turn, calculation, solution/chromatin 3145.
base ratio determination 3515.
base sequence homology, *Rhizobium* 957.
base substitution, SV40, mutagenesis 4532.
benzo(a)pyrene adduct, characterization, human lung tissue 2322.
binding-<3>methylcholanthrene, mouse embryo cell culture 393.
binding-<7,12>dimethylbenz(a)anthracene, mammalian cell, product photosensitivity 394.
binding-actinomycin D/distamycin A, protection-restriction endonuclease cleavage, use-mapping 1499.
binding-aflatoxin, relationship-mutagenicity 5876.
binding-9-aminoacridine, effect of base composition 5855.
binding-androgen/oestrogen receptor, mouse brain 5363.
binding-anthracycline 4391.
binding-*Bacillus subtilis* cell surface, role-cell division 1659.
binding-benzo(a)pyrene, activation cytochrome P450 5856.
binding-benzo(a)pyrene, activation-microsome/nuclear envelope 1977.
binding-benzo(a)pyrene, dose-response relationship, rat liver 4960.
binding-benzo(a)pyrene, hamster embryo cell culture 3501.
binding-benzo(a)pyrene, inhibition-harman/norharman 3134.
binding-benzo(a)pyrene, rat liver/lung 2691.
binding-benzo(a)pyrene, rat liver nucleus, effect of benzo(a)pyrene hydroxylase inhibitor/inducer 1505.
binding-benzo(a)pyrene, specificity-guanosine(deoxy)/adenosine (deoxy) 1971.
binding-benzo(a)pyrene derivative 1975.
binding-benzo(a)pyrene/dimethylnitrosamine/dimethylhydrazine, human colon mucosa 906.
binding-benzo(a)pyrene metabolite 1501.
binding-benzo(a)pyrene metabolite, mouse liver microsome 4963.
binding-benzo[b][1,5]naphthyridine derivative 3888.

DNA.(continued)

- binding-bleomycin 5854.
 binding-constant-oligonucleotide, determination 1866.
 binding-daunorubicin/doxorubicin, analysis method 5875.
 binding-diamidine-phenyl indole 3880.
 binding-7,12-dimethylbenz(a)anthracene, cultured fibroblast, correlation-species life span 1974.
 binding-7,12-dimethylbenz(a)anthracene, hamster embryo cell, effect of 7,8-benzoflavone treatment 5860.
 binding-7,12-dimethylbenz(a)anthracene, mouse skin/rat liver microsome 2319.
 binding-distamycin A/netropsin, model 3874.
 binding-dye 4086.
 binding-*Escherichia coli* repressor(lac) in vivo, measurement 627.
 binding-ethidium/daunomycin/mepacrine 916.
 binding-glucocorticoid-receptor complex, rat liver chromatin 5339.
 binding-histone, phosphorylation 4609.
 binding-histone H1, characterization 5302.
 binding-human platelet surface 403.
 binding-hycanthone 4406.
 binding-4-hydroxyaminoquinoline 1-oxide, base sequence specificity 5857.
 binding-magnesium ion, theory 1496.
 binding-metronidazole 1500.
 binding-microtubule-associated protein, hamster fibroblast 5356.
 binding-nitrofurantoin derivative, rat kidney 2320.
 binding-4-nitroquinoline-N-oxide, induction- γ -irradiation 2321.
 binding-oestrogen, activation-rat liver microsome 380.
 binding-phenosafranin, characterization 3890.
 binding-phosphorylated histone H1 in vitro 5314.
 binding-polycyclic aromatic hydrocarbon, epidermal homogenate 911.
 binding-proflavine/acridine orange, fluorescence properties 387.
 binding-protein, affinity constant 898.
 binding-psoralen derivative, effect of ionic environment 3504.
 binding-quinoxaline synthetic analogue 4952.
 binding-Rauscher leukaemia virus structural protein 4090.
 binding-saccharin, rat liver/bladder 4976.
 binding/uptake, role-endonuclease, *Streptococcus pneumoniae* 1645.
 binding/uptake *Glycine max* nucleus 514.
 bioorganic aspects, USSR research, review 1250.
 biosynthesis/packaging, herpes simplex virus 1, during virus passages, RC-37 cell 6011.
 biosynthesis/properties, *Hypotrichida* /*Chilodonella* /*Tetrahymena* macronucleus, review 5390.
 BK virus, restriction endonuclease cleavage mapping 5925.
 BK virus replication origin, nucleotide sequence, comparison-SV40 3540.
 BK virus sequence, absence-human tumour/malignant cell line 4373.
Bombyx mori pupal gonad, characterization 5061.
 bovine, isolation/characterization 3556.
 bovine leukaemia virus, provirus distribution, mammalian enzootic bovine leucosis tissue 5806.
 bovine mammillitis virus, nucleotide sequence size/arrangement 5015.
 bovine mammillitis virus, restriction endonuclease mapping 1540.
 bovine rhinotracheitis virus, fixation, chromic acid + formaldehyde 3523.
 breakage, effect of ultrasound, bovine epithelial lens cell 2692.
 breakage/repair, effect of γ -irradiation/iodine-125, human kidney cell 6038.
 breakage/repair, iodine-125 decay, *Escherichia coli* /phage T1/phage T4 5868.
 breakage/repair, UV-irradiation-induced, Fanconi's anaemia 3215.
 breakdown, *Escherichia coli* mutant (recA), inhibition-phage Mu-1 6128.
Brevibacterium flavum phage ϕ B, characterization 3524.
 calf thymus, binding-BP diolepoxide/1-pyrenyloxirane, characterization 5864.
 calf thymus, binding-cyclophosphamide 3138.
 calf thymus, fractionation, use-histone binding 4387.
 calf thymus, interaction-2,5-diamino-1,4-naphthoquinone imine in vitro 1514.
 calf thymus, γ -irradiation-induced strand breakage/free radical formation, determination 4973.
 calf thymus chromatin, sequence specific interaction-histone 3303.
 calf thymus chromatin nucleosome core particle, NMR 3183.
 calf thymus/leukaemia leucocyte, structure, effect of irradiation, IR-spectroscopy 3883.
 calf thymus/*Micrococcus lysodeikticus*, complex formation-fluorescein mercuric acetate, kinetics 1515.
 calf thymus/mouse liver, binding- β -propiolactone, adenine (1-(2-carboxyethyl)) formation 1503.
 calf thymus/phage ϕ X174, photodynamic inactivation, effect on hydrodynamics 1507.
 calf thymus/rat liver, interaction-captan/folpet 5307.
Candida albicans, homology-*Kluyveromyces* 5053.
Candida tropicalis /*Candida lipolytica* /*Candida guilliermondii* /*Rhodotorula minuta*, isolation/characterization 4945.
 carcinogen/mutagen-induced lesion, *Pseudomonas* endonuclease probe 2430.
 carnation etched ring virus, characterization 2354.
 cauliflower mosaic virus, structure 3170.
 chain asymmetry, polyoma virus DNA biosynthesis in vitro 1572.
 chain elongation, regulation, SV40-transformed <3>T3 cell 478.
 chain growth, mechanism, polynucleotide biosynthesis, methotrexate-treated human lymphoblast 4188.
 characterization, adenovirus (human) 7 defective particle 947.
 characterization, adenovirus (murine) 945.
 characterization, amphotropic murine leukaemia virus 3169.
 characterization, bean golden yellow mosaic virus 949.
 characterization, cassava latent virus/maize streak virus 3541.
 characterization, comparison-*Bacillus subtilis* phage SP82/phage SPO1/phage ϕ e 5913.
 characterization, cytomegalovirus 439.
 characterization, Epstein-Barr virus, lymphoblastoid cell 345.
 characterization, nuclear polyhedrosis virus replication-*Spodoptera frugiperda* cell line 5916.
 characterization, pea seedling following injury 3558.
 characterization, phage Mu deletion mutant, electron microscopy 934.
 characterization, phytohaemagglutinin stimulation-DNA biosynthesis, human lymphocyte 3589.
 characterization, recombinant plasmid R 1649.
 characterization, simian virus SA12 937.
 characterization, *Spodoptera* nuclear polyhedrosis virus 445.
 characterization, *Staphylococcus aureus* plasmid transformed *Bacillus subtilis* 3904.
 characterization, *Tropaeolum majus* 3934.
 chick, purification-ovalbumin gene 1493.

DNA, (continued)

- chicken, ovalbumin gene, sequence 5962.
 chicken, ovalbumin gene organization 3179.
 chicken, restriction fragment, presence-ovalbumin
 <?m>RNA coding sequence 454.
 chicken erythrocyte, secondary structure, effect of aqueous
 solution 3549.
 Chinese hamster cell, effect of iodine-125/tritium decay 5869.
 Chinese hamster cell, effect of X-irradiation + UV-irradiation
 5870.
 Chinese hamster cell, repair, irradiation-induced single-
 stranded breakage, effect of cysteamine/glycine (2-
 mercaptopropionyl) 1029.
 chloroplast, distribution, *Nicotiana glauca* /*Nicotiana*
langsdorffii hybrid 1489.
 chloroplast, expression, *Zea mays* plastid, during light-
 induced development 417.
 chloroplast, mapping/localization-rRNA gene, *Euglena*
gracilis 1935.
 chloroplast, physical properties/chemical properties, effect of
 manganese ion 5070.
 chloroplast, visualization method 4374.
 CHO cell nucleosome, effect of neocarzinostatin 5852.
 chromatid, uridine (5-bromodeoxy) substitution-thymine, cell
 culture 6276.
 chromatin, cleavage pattern, effect of ethidium bromide
 binding 389.
 chromatin, effect of DNase I 2816.
 chromatography (column), use-immobilized histone 3124.
 chromosome, transformation-*Pseudomonas putida* 6120.
 circular, complementary single-stranded, renaturation-DNA
 unwinding protein 2499.
 circular, interaction-agarose, characterization 5826.
 circular, phage PM2, ethanol solution, circular dichroism
 3528.
 circular, *Trypanosoma equiperdum*, isolation/
 characterization 3127.
 circular, *Trypanosoma mega* kinetoplast, kinetoplast,
Trypanosoma mega, circular DNA 2002.
 circular/circular-linear, size, herpes simplex virus 444.
 circular dichroism, effect of triplet carbonyl compound 4403.
 circular dichroism analysis, use-synthetic polynucleotide
 3512.
 circular dimer, structure/formation, SV40 2716.
 circulation, higher organisms, review 2516.
 cleavage-bleomycin, mechanism 902.
 cleavage-neocarzinostatin, mechanism 5848.
 cleavage-restriction endonuclease EcoRI/restriction
 endonuclease Ball/restriction endonuclease BamHI, vaccinia
 virus 2073.
 cloned, *Saccharomyces cerevisiae*, expression-*Escherichia*
coli, mutation (argH) complementation 3991.
 cloned, *Saccharomyces cerevisiae*, mapping 5955.
 cloned recombinant, screening method 5803.
 cloned restriction endonuclease EcoRI fragment, F factor,
 physical properties/function 4993.
 cloned substituted SV40, restriction endonuclease cleavage
 mapping 5918.
 cloning, phage λ containing mouse globin gene 1065.
 cloning, phage T4 2057.
 cloning method, review 1814.
 cloning vehicle, plasmid P15A, construction/characterization
 6095.
 closed circular, binding-platinum uracil blue 3130.
 closed circular, purification method 4939.
 closed circular, supercoiling, dependence-metal ion
 concentration 4422.
 closed double-stranded circular, interaction-single-stranded
 DNA, phage G4 2684.
 closed double-stranded circular, interaction-single-stranded
 DNA, branch migration, phage G4 2686.
 closed double-stranded circular, interaction-single-stranded
 DNA, endonuclease digestion, phage G4/phage ϕ X174 2685.
 coiling, chromatin, model 613.
 colicin E1, gene(guaA) insertion, expression 521.
 colorimetric assay 349.
 compaction, mechanism, electron microscopy 2336.
 compaction-electrode surface, kinetics 3892.
 complementarity-<?r>RNA, cotton, effect of <?y-
 >irradiation 398.
 complementary, cellulose-bound, use-RNA synthesis 274.
 complementary, synthesis, use-tritiated dGTP 4739.
 complementary-human chorionic somatomammotropin
 <?m>RNA, purification 372.
 complementary-human chorionic somatomammotropin,
 structure/construction 1564.
 complementary-mitochondrial mRNA, synthesis, use-reverse
 transcriptase 2745.
 complementary-mRNA, rat liver mitochondria 3553.
 complementary-Rous sarcoma virus genome, biosynthesis/
 characterization, in vitro 2381.
 complementary-SV40 late mRNA 5' terminal, nucleotide
 sequence 5026.
 complex-adriamycin, human lung carcinoma treatment 5160.
 complex-adriamycin/daunomycin/actinomycin D, cytostatic
 activity, Ehrlich ascites cell 3598.
 complex-3-aminophenanthridium/3,8-
 diaminophenanthridium derivative, circular dichroism 4979.
 complex-copper, inhibition-Rous sarcoma virus replication
 5841.
 complex-distamycin A, absorbance 5877.
 complex-echinomycin, circular dichroism 5847.
 complex-*Escherichia coli* RNA polymerase,
 characterization, use-dimethylsulphate methylation 4008.
 complex-ethidium bromide/cis-platinum diamminedichloride,
 effect on mouse peritoneal macrophage 6083.
 complex formation-berbermycin 408.
 complex formation-dehydrogenase + platinum 5522.
 complex formation-distamycin A, kinetics 3500.
 complex formation-DNA-binding nonhistone protein,
 sequence specificity 4059.
 complex formation-polyelectrolyte, effect of charge density
 377.
 complex formation-sibiromycin 382.
 complex-histone, denaturation/template activity 2879.
 complex-histone, effect of polyamine, calf thymus 3296.
 complex-histone, reconstituted, nucleosome core structure
 6240.
 complex-histone, reconstitution 4056.
 complex-histone H1, binding-actinomycin D, model
 nucleoprotein 6250.
 complex-histone H1/polypeptide, interaction-actinomycin D/
 netropsin 4617.
 complex-histone H3 + histone H4/histone H2A + histone
 H2B, transcription/electron microscopy 4615.
 complex-irehdiamine A, conformation 337.
 complex-metal ion, spectroscopy 3868.
 complex-nonhistone protein \pm histone, centrifugation 4060.
 complex-phage f1 gene (3) product, protein A,
 characterization 6313.
 complex-platinum, differentiation, use-ethidium bromide 402.
 complex-poly-L-lysine/poly-L-histidine, thermal denaturation
 3873.
 complex-proflavine/distamycin/actinomycin, circular

DNA.(continued)

- dichroism 3878, 3879.
 complex-proflavine/ethidium bromide/acridine orange, physical properties 3877.
 complex-protamine, X-ray diffraction 3651.
 complex-silver ion/copper ion, circular dichroism 3867.
 complex-protein, Ehrlich ascites carcinoma, effect of uridine (5'-hydroxymethyldeoxy) 4641.
 complex-protein, Ehrlich ascites cell membrane, characterization 6316.
 complex-protein, stacking interactions 3866.
 complex-quinacrine, accumulation-air-water interface 388.
 complex-silver ion/copper ion, circular dichroism 3867.
 components, effect on *Bdellovibrio bacteriovorus* viability/cell composition 2539.
 concentration, rabbit embryo, effect of 6-aminonicotinamide 2774.
 condensation-basic chromosomal protein 3897.
 conformation, chick erythrocyte chromatin 1208.
 conformation, chromatin, X-ray scattering/circular dichroism 4074.
 conformation, effect of γ -irradiation/UV-irradiation 3137, 400.
 conformation, effect of metal ion 3898.
 conformation, effect of solution polarity 4980.
 conformation, effect of temperature, human squamous cell 3931.
 conformation flexibility, role-chromatin organization 5882.
 conformation-solution, effect of interaction-spermidine 3513.
 constituents, changes during pregnancy, placenta, review 4100.
 content, *Acetabularia mediterranea* 4375.
 content, *Allium*, association-morphological characteristics 893.
 content, analysis, flow microfluorometry 2666.
 content, *Aspergillus niger*-nucleus 3115.
 content, association-nuclear ploidy, *Chlamydomonas reinhardtii* chloroplast 1492.
 content, *Bacillus megaterium* spore, effect of growth medium 3856.
 content, barley leaf, effect of flood/vitamin PP 2249.
 content, bone marrow, human leukaemia (acute) 5817.
 content, brain, inbred rat 824.
 content, *Bufo viridis* 3117.
 content, bull semen 890.
 content, *Candida utilis*, effect of temperature 4931.
 content, cattle, normal/leukaemia (lymphatic) 4936.
 content, cattle blood, effect of leukosis 3496.
 content, cervical cancer, epithelium 3234.
 content, comparison-normal/benign/malignant colon epithelium 361.
 content, cow milk 3860.
 content, *Crepis capillaris* 3863.
 content, *Cuscuta chinensis* 3497.
 content, daughter nucleus, chick embryo CNS neuron, during ouabain-induced nuclear division 3120.
 content, determination, basaloma nucleus 1322.
 content, determination, erythroid cell 4380.
 content, during larval development, *Melipona quadrifasciata* salivary gland 357.
 content, effect of ambient atmosphere, relationship-nucleolus size, *Allium cepa* epidermis nucleus 506.
 content, effect of parenteral, nutrition/normal thyrotoxicosis rat 236.
 content, effect of polyethylene glycol, rat caecum mucosa 2309.
 content, effect of starvation, *Tetrahymena pyriformis* 2045.
 content, effect on iodine-125/X-irradiation damage, *Escherichia coli* 6021.
 content, *Entamoeba histolytica* /*Entamoeba invadens* /*Entamoeba moshkovskii* 5810.
 content, *Escherichia coli* B/r substrate 3858.
 content, fibrosarcoma clone 1487.
 content, *Fusarium moniliforme*-infected mango inflorescence 354.
 content, human bladder carcinoma, comparison-normal mucosa 892.
 content, human bladder carcinoma, relationship-histology/prognosis 1967.
 content, human blood, association-rheumatic fever 2673.
 content, human central nervous system, effect of death 2606.
 content, human chromosome 6287.
 content, human endometrium glandular epithelium, effect of climacteric dyshormonal hyperplasia 501.
 content, human leucocyte, adenovirus infection 4808.
 content, human sputum, bronchitis/bronchiectasis/asthma/cystic fibrosis 4379.
 content, kangaroo rat/mouse microcell 4378.
 content, leukaemia L1210 3121.
 content, leukocyte, effect of irradiation 5215.
 content, *Lycopersicon esculentum*, effect of salt concentration 364.
 content, *Lymnaea stagnalis* 2671.
 content, mammary tumour virus, during exogenous mammary tumour virus transformation, Balb/c mammary epithelium 5652.
 content, melanotic/amelanotic Bomirski melanoma, hamster 5816.
 content, *Melipona quadrifasciata* salivary gland during larva development 1486.
 content, mouse cardiac muscle, effect of rubomycin/carminomycin 842.
 content, mouse loop-tail mutant, brain 5815.
 content, *Mucor bacilliformis* sporangiospore 3493.
 content, myocardium, during heart hypertrophy, rat 597.
 content, *Nectria coccinea*, effect of fungicide 2670.
 content, nucleus, assay, use-fluorochrome 351.
 content, *Oryzias latipes*, effect of age 4376.
 content, *Paramecium tetraurelia* cell cycle 5809.
 content, *Petunia hybrida*, during development 324.
 content, *Pila globosa*, effect of aestivation 3968.
 content, *Pinus nigra* Strasburger cell 1968.
 content, rabbit plasma cell, effect of acetylsalicylic acid/diacetoxybenzoic acid/azathioprine/D-penicillamine 4377.
 content, rat, effect of protein-energy malnutrition 3118.
 content, rat hepatocyte, comparison-foetus/adult 2672.
 content, rat liver, effect of biotin treatment 1043.
 content, rat liver, effect of hypoxia 2770.
 content, rat liver/kidney, effect of lead poisoning 498.
 content, rat mammary gland, effect of hormone replacement/hypophysectomy 1581.
 content, rat pancreas, effect of fasting/refeeding 2049.
 content, rat spleen/bone marrow, during hypoxia adaptation 358.
 content, rat spleen/liver/maxilla, effect of decalcification 3494.
 content, reduction- γ -irradiation, rat spleen/bone marrow/thymus, effect of hypoxia 2391.
 content, regenerating rat liver, effect of dimethylnitrosamine/methyl methanesulphonate 1021.
 content, regulation, *Paramecium tetraurelia* cell cycle 3562.
 content, rheumatoid arthritis serum 360.
 content, *Saccharomyces cerevisiae*, relationship-high molecular weight polyphosphate content, during dehydration 5199.

DNA,(continued)

- content, sputum, relationship-bronchopulmonary infection 359.
- content, *Tetrahymena*, relationship-G1 phase 977.
- content, *Tetrahymena pyriformis*, during synchronous growth 3584.
- content, *Toxoplasma gondii* 2669.
- content, *Toxoplasma gondii* cyst 1483.
- content, *Trachelonema sulcata* macronucleus, during development/senescence 5131.
- content, *Trichoplax adhaerens* 1484.
- content, *Triticum aestivum*, effect of piperazine/pibobromane 3862.
- content, *Umbelliferae* / *Solanaceae* / *Compositae*, effect of crown gall tumour induction 4381.
- content, wheat embryo, during germination/vernalization 5823.
- content, zymogen granule, rat pancreas 888.
- content during development, *Apis mellifera* 3116.
- content during development, *Hordeum vulgare* aleurone cell nucleus 2312.
- content during moult cycle, *Crangon crangon*, integument/abdominal muscle/digestive gland 4934.
- content/nucleotide composition, cattle leukocyte, effect of leukaemia (chronic lymphatic) 2734.
- content/size distribution, *Escherichia coli* 2668.
- containing, acrylamide gel, use-chromatin fractionation 1203.
- coupling 4-diazobenzoic acid, use-chromatography (affinity) 3139.
- Crithidia lucillae* kinetoplast, use-DNA antibody determination 591.
- cross-linking, furazolidone-treated *Vibrio cholerae* 951.
- cross-linking, melphalan/nitrogen mustard, formation/repair, mouse leukaemia L 1210 cell 4965.
- cross-linking-histone H1, mechanism 6241.
- cross-linking-protein, *Saccharomyces cerevisiae*, induction-UV-irradiation/formaldehyde 5871.
- crystal structure 3903, 4424.
- cyanophage S-2L, identification-adenine (2-amino) 935.
- cytomegalovirus, human brain, characterization 5022.
- cytomegalovirus, molecular weight 5013.
- cytomegalovirus, replicative intermediate 4442.
- cytoplasmic, review 2508.
- cytosine-containing, *Escherichia coli* B phage T4 5804.
- cytosine/cytosine (3-methyl)/cytosine (5-methyl) content, determination-chromatography (high performance liquid) 1525.
- cytosine residue, reaction-hydrazine, 3-ureidopyrazole, product identification 5874.
- damage, assay method, mammalian cell 5814.
- damage, association-separation inhibition, *Escherichia coli*, relationship-protein X 3595.
- damage, 1,2-dimethylhydrazine/N-nitrosodimethylamine/N-methyl-N-nitrosourea/cytasin, detection method 5862.
- damage, *Escherichia coli*, irradiation-induced, modification-cis-dichlorodiammine platinum(II) 1506.
- damage, induction-1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea, rat intracerebral gliosarcoma 1979.
- damage, γ -irradiation, *Escherichia coli*, radioprotection-cis-dichlorodiammineplatinum(II) 4972.
- damage, γ -irradiation-Chinese hamster lung fibroblast chromatin 6274.
- damage, mammalian cell, iodine-125-labelled uridine (iododeoxy) 5519.
- damage, cis-platinum(II)diammine chloride-induced, repair, human cell 6039.
- damage, psoralen (3-carbethoxy)-induced, repair, *Saccharomyces cerevisiae* 4407.
- damage, synergism-irradiation/chemical agent 4971.
- damage during thymineless death, *Streptococcus pneumoniae* 1543.
- damage/repair, γ -irradiation-treated rat gliosarcoma, detection-nuclease S1 3964.
- damage/repair, N-diazoacetyl glycine amide-treated mouse fibroblast cell 909.
- damage/repair, nitrosourea/nitrogen mustard-treated mouse leukaemia cell 1026.
- damaged DNA, CHO cell, localization-replicon: initiation inhibition 470.
- dark repair analysis, *Escherichia coli* 1590.
- daunorubicin complex, plasma level/metabolism, rabbit 1639.
- defective, herpes simplex virus 1, origin, mapping 3168.
- defective, polyoma virus, mapping 2719, 2720.
- degradation, effect of UV-irradiation/irradiation(ionizing), *Escherichia coli* 407.
- degradation, *Escherichia coli* K12, effect of ozone 3251.
- degradation, UV-irradiation-treated *Escherichia coli* 3994.
- degradation, non-viable rye seed 4543.
- degradation, phage ϕ 105, *Bacillus subtilis* superinfection 4473.
- degradation, restriction endonuclease, antibody-mediated cytotoxicity, mouse/human 2425.
- degradation-*Aspergillus oryzae* nuclease S1, HeLa cell lysate, presence-urea/sodium dodecylsulphate 344.
- degradation-bleomycin + iron 5846.
- degradation-bleomycin, effect of chelating agent/metal ion 5845.
- degradation-DNase I, effect of sodium butyrate treatment, HeLa cell 6238.
- degradation during terminal differentiation, chick embryo lens 2426.
- degradation/repair, γ -irradiation/N-methyl-N-nitrosourea-induced, rat hepatoma 2042.
- denaturation, *Saccharomyces cerevisiae*, meiosis 5056.
- denaturation profile during development, *Triturus vulgaris* 1554.
- denaturation/renaturation, chromatin, rat cerebellar cortex 3668.
- denatured, determination-structure, use-electrochemical oxidation 3900.
- denatured, mouse liver, activity-*Escherichia coli* RNA polymerase 5724.
- denatured single-stranded, antibody, assay 3642.
- density gradient centrifugation, use-caesium sulphate-urea 4264.
- densonucleosis virus, structure 5025.
- depurinated, phage T7, repair in vitro 3204.
- derivative, ribofuranose ring stereochemistry 3902.
- destabilization-secondary structure, experimental animal tumour 1566.
- detection method 1480.
- detection spacers, detection-ovalbumin gene, restriction endonuclease mapping 3550.
- determination, use-acriflavine-Feulgen reaction 3861.
- determination, UV-irradiation damage/repair, HeLa cell/CHO-K1 cell 493.
- determination-guanine + cytosine content, use-chromatography (high performance liquid) 422.
- determination-single-stranded fragment, phage Vi 1479.
- dielectric properties, effect of temperature/ionic strength 1986.
- dimer formation/excision/strand growth, UV-irradiation, Yoshida ascites sarcoma cell 1510.
- dimeric replicative form, origin, *Escherichia coli* coinfection-

DNA.(continued)

- phage G4 + phage ϕ X174 5907.
 directed, cystathionine γ -synthetase biosynthesis in vitro, *Escherichia coli* K12 4218.
 distribution, *Drosophila melanogaster* sperm nucleus 5812.
 distribution, normal/tumour lymphoid cell, human 2675.
 distribution/organisation, *Drosophila hydei* chromosome 5352.
 donor, fate, conjugation, *Escherichia coli* K12 2066.
 double-stranded, antibody formation, athymic nude mouse 3643.
 double-stranded, base-specific fractionation, chromatography (affinity) 3125.
 double-stranded, behaviour-electrode surface, model 3896.
 double-stranded, binding-3-aminoacridinium/7-aminoquinolinium 2683.
 double-stranded, compact form, relationship-polyethylene glycol-water solution organization 5879.
 double-stranded, Moloney leukaemia virus, mapping 5923.
 double-stranded, phage G4, replication, *Escherichia coli* mutant (dna) 5089.
 double stranded, phage PM2, fragmentation-bleomycin 4951.
 double-stranded, sedimentation, X-irradiation-treated Chinese hamster cell 5963.
 double-stranded breakage, rejoining 432.
 double-stranded breakage, repair, irradiation (ionizing), comparison-fungus/vertebrate cell line 6026.
 double-stranded breakage-X-irradiation, analysis 1511.
 double-stranded/single-stranded, calf thymus/phage ϕ X174 photosensitization-proflavine, effect of sulphur compound 4957.
 double-stranded template, psoralen derivative photochemical cross-linking-SV40 RNA 4272.
 double Watson and Crick helix, structure 4420.
Drosophila melanogaster, irradiation damage/repair 5109.
Drosophila hydei, size/distribution-poly (A) sequence 1551.
 duplex, phage M13, replication, cell-free system 4472.
 duplex, propidium diiodide integration site, sugar pucker geometry 4411.
 dynamic properties, effect of ionic strength, quasielastic light scattering 1522.
 E/L strand transcription frequency, polyoma virus 3463.
 effect of antibiotic ASK-753 901.
 effect of berenil, *Leishmania tarantolae* 510.
 effect of bleomycin, review 18.
 effect of X-irradiation 1512.
 effect of irradiation (ionizing), cisdichlorodiammine platinum(II) role-radiosensitizer 5121.
 effect of γ -irradiation, NMR 2696.
 effect of irradiation, review 3328.
 effect of 4-nitroquinoline oxide, *Bacillus subtilis* assay system 1516.
 effect on haematopoietic stem cell, irradiated bone marrow 1056.
 effect on γ -irradiation mutagenicity, mouse spermatocyte/spermatid 3978.
 effect on irradiation-treated chromosome, rat 618.
 effect on X-irradiation-treated *Xenopus laevis* tadpole growth 5159.
 effect on poly (ADP-ribose) glycohydrolase degradation-poly (ADP-ribose) histone H1 complex, HeLa cell 2786.
 Ehrlich ascites carcinoma, binding-bleomycin cobalt chelate 1969.
 Ehrlich ascites cell, binding-methylated albumin, comparison-replicating/non-replicating/denatured 4390.
 electrode reaction, effect of ionic strength 3891.
 elongation, comparison-mitogen-stimulated mouse thymocyte/splenocyte 982.
 elongation, irradiated *Escherichia coli*, role-UV-irradiation-induced protein 1019.
 encapsidation, lysogen-excision defective phage P22 5090.
 endonuclease S1-sensitive single-stranded, characterization, *Bacillus subtilis* 1542.
 Epstein-Barr virus, association-nasopharyngeal carcinoma 885.
 Epstein-Barr virus, characterization, Burkitt's lymphoma cell line 5016.
 Epstein-Barr virus, cleavage-restriction endonuclease 4446.
 Epstein-Barr virus, restriction endonuclease cleavage fragment analysis 5919.
 equine infectious anaemia virus provirus, detection-infected horse cell 4929.
Escherichia coli, biotin operon regulation fragment, isolation 5940.
Escherichia coli, breakage-apurinic acid endonuclease 1690.
Escherichia coli, cleavage-N-methyl-N-nitrosourea 2689.
Escherichia coli, degradation-hydrogen peroxide 404.
Escherichia coli, *Diplococcus pneumoniae* restriction endonuclease cleavage, Okazaki fragment terminal determination 2726.
Escherichia coli, homology-dependent cutting 3243.
Escherichia coli, hyperchromism 5048.
Escherichia coli, incorporation-uracil (5-bromo), lesion induction, repair 1273.
Escherichia coli, insertion sequence integration site 5044.
Escherichia coli, integrity during replication 3561.
Escherichia coli, interaction-acridine orange, plasmid F'-lac elimination 4392.
Escherichia coli, interaction-RNA polymerase, localization-binding site 6175.
Escherichia coli, psoralen cross-linking, removal, role-ATP 1587.
Escherichia coli, segregation pattern 3976.
Escherichia coli, uptake-*Petunia hybrida* protoplast 3594.
Escherichia coli B, effect of cadmium ion 2682.
Escherichia coli B restriction endonuclease recognition site, nucleotide sequence 5944.
Escherichia coli chloramphenicol-resistance plasmid, characterization 5892.
Escherichia coli insertion sequence, characterization 3519.
Escherichia coli kanamycin resistance sequence, transposition-phase fd 3240.
Escherichia coli operator (lac), synthesis/cloning, review 1811.
Escherichia coli plasmid R1, coding-RNA 4S 6094.
Escherichia coli ribosomal protein gene-carrying, insertion-vector phage 2062.
Escherichia coli / *Salmonella typhimurium*, detection-gene (tuf) 5808.
 ethidium bromide complex, fluorescent detection 884.
 ethyl/methyl phosphodiester, stability in vivo, induction-N-ethyl-N-nitrosourea/N-methyl-N-nitrosourea 4959.
Euglena gracilis, vitamin B₁₂ deficient 5051.
 excess, *Paramecium tetraurelia*, effect on DNA/protein biosynthesis 6053.
 excision repair, 7-bromomethylbenz(a)anthracene-treated Chinese hamster cell/HeLa cell 1609.
 excision repair, human, effect of 2-chloroethyl-isocyanate 4497.
 excision repair, human/hamster/chick embryo cell 1607.
 excision-repair, inhibition-butylated hydroxytoluene, human lymphocyte 4500.
 excision-repair, UV-irradiation-induced, toluene-treated *Escherichia coli*, role-DNA polymerase I 6196.

DNA,(continued)

- excision-repair, UV-irradiation-treated mouse oocyte 2032.
excision-repair, 4-nitroquinoline-1-oxide damage, mouse cell line 1611.
excision-repair rate, human cell, control-nucleosome structure 3213.
excision repair/sister chromatid exchange, human xeroderma pigmentosum cell, use-damage indicator 2037.
excited states, book review 2148.
exogenous, effect on DNA biosynthesis, rat, following irradiation 512.
exogenous, effect on DNA polymerase activity, rat bone marrow/spleen 1715.
exogenous, effect on *Hordeum* waxy mutant 4525.
exogenous, fate-plant cell, review 16.
exogenous, penetration, *Escherichia coli*, effect of calcium treatment 5157.
exogenous, pyrimidine nucleotide cluster, effect on growth/radiation resistance, mouse 3977.
exogenous, transport-mammary gland tumour cell line 1647.
extra, mammalian cortical neuron, characterization 3495.
extra-chromosomal, *Escherichia coli* MRE 600 5807.
extrachromosomal, identification, *Bacillus thuringiensis* 3857.
extraction, control-polyethylene glycol, Feulgen hydrolysis 365.
extraction, effect of iron 369.
extraction/purification, *Mycobacterium* 370.
fate-*Bacillus subtilis*, effect of mutation (recC4) 3596.
feline leukaemia virus genome, occurrence-cat cell 5931.
Feulgen hydrolysis, effect of temperature/concentration 366.
fingerprinting, *Agrobacterium tumefaciens* plasmid Ti 5891.
fixed mammalian tissue, isolation 4938.
fluorescence polarization, effect of acridine orange 6234.
fluorometric determination, use-ethidium bromide 4371.
folding, characterization 4421.
folding, prebiosis 409.
four-stranded complex 3508.
fractionation, benzoylated DEAE-cellulose 4384.
fractionation, density gradient centrifugation, HeLa cell 894.
fractionation, electrophoresis, determination-phosphorous-32 367.
fractionation, mouse, use-histone H1 precipitation 3865.
fragment, adenovirus (human) 12, transformation-rat cell line 1072.
fragment, adenovirus (human) 12, transformed rat cell line, characterization 1073.
fragment, adenovirus (human) 2, excision/recombination, *Escherichia coli* 6115.
fragment, adenovirus (human) 2/adenovirus (human) 5, transforming activity 1642.
fragment, adenovirus (human) 7, transformation-rat cell line 6118.
fragment, containing ribulosebiphosphate carboxylase subunit gene, iZea mays chloroplast 2424.
fragment, dihydrofolate reductase gene carrying, isolation-*Escherichia coli* trimethoprim resistance R factor 5835.
fragment, *Escherichia coli*, hybrid plasmid, construction/cloning 2421.
fragment, flagella gene-containing, *Escherichia coli*, cloning 520.
fragment, oligo d(G-C)-containing, isolation, use-poly (C)-Sephadex chromatography 5827.
fragment, phase T4, cloning 1069.
fragment, phase T5, 3'-terminal sequence 1530.
fragment, purification, electrophoresis 5829.
fragment, SV40, containing, monkey cell, rescue-infectious virus 3603.
fragment size/periodicity, mouse hepatoma chromatin 4092.
free, occurrence-SV40 transformed nonproducer cell 5805.
G segment, inversion, phage Mu/phage P1/phage P7 5010.
G segment orientation, role-phage Mu adsorption 3909.
G segment orientation, role-phage Mu infectivity 3906.
gene (cro), gene (cII)-containing, nucleotide sequence, phage λ 4430.
gene (ilv) region, restriction endonuclease mapping, *Escherichia coli* K12 2902.
gene (ilvC)-operon (lac) fusion, *Escherichia coli* K12, role β -galactosidase biosynthesis 2065.
genetic code, congruence 5885.
genome size, *Chaetomium globosum* /*Trichophyton terrestre*, effect of spaceflight 3886.
globin gene, biosynthesis, use-reverse transcriptase 3188.
globin sequence, isolation, mouse/human 2314.
guanine-cytosine content, comparison-oncogenic/nononcogenic adenovirus (bovine) 437.
hairless mouse skin, UV-irradiation, induction-thymine dimer 1982.
hairpin, phage M13, isolation/characterization 2679.
HD virus, biological properties/mapping 2413.
heavy component, localization-rRNA gene, whale 1563.
Hedera helix chromosome, structure/function, effect of age 5977.
HeLa cell core particle, interaction-histone 5312.
HeLa cell nucleosome, interaction site histone amino terminal 2012.
helix-coil transition, effect of copper ion/magnesium ion 4413.
helix-coil transition, effect of magnesium ion 4416.
helix-coil transition, review 15.
helix-RNA, photochemical cross-linking-psoralen derivative, phage fd 2699.
helix structure 1518.
herpes simplex virus, palindrome sequence, electron microscopy 5031.
herpes simplex virus 1, association-host DNA, during productive infection-BSC-1 cell 1070.
herpes simplex virus 1, fate-normal/photoinactivated virus infected cell 3230.
herpes simplex virus 1, restriction endonuclease HindIII fragment, amplification 5032.
herpes simplex virus 1, structure 5915.
herpes simplex virus 2, restriction endonuclease cleavage map 3912.
Herpesvirus ateles, homology-Herpesvirus saimiri 1539.
herring sperm, isolation-nucleotide 4157.
herring sperm, isolation-pyrimidine nucleotide/pyrimidine dinucleotide 83.
heterogeneity, papilloma virus (human) 5929.
heterogeneity, rRNA gene content, *Allium cepa* metaxylem, during differentiation 3307.
heterologous, effect on irradiation-induced DNA repair, rat/mouse intestinal mucosa 6082.
heterologous, transformation-*Haemophilus influenzae* /*Bacillus subtilis* /*Neisseria* /*Streptococcus pneumoniae* 1657.
high-molecular weight, adenovirus (human) 2, occurrence/characterization, infected human cell 5928.
high-molecular weight, *Aspergillus nidulans*, purification 4946.
high-molecular weight, isolation 4940.
high-molecular weight, phase T2, physical properties, effect of sodium chloride concentration 3525.
high-molecular weight, sedimentation properties, *Drosophila melanogaster* cell 1553.

DNA,(continued)

- histone complex, nucleosome 3659.
 homologous/heterologous, effect on hex enzyme activity, *Streptococcus pneumoniae* 1743.
 homologous-ribosomal insertion, occurrence-*Drosophila melanogaster* 356.
 homology, *Bacillus* 5042.
 homology, *Bacteroides* 5046.
 homology, *Nocardia amarae*/*Nocardia autotrophica*/*Nocardia rhodochrous* 5941.
 homology, papilloma virus (human) 5926.
 homology, *Staphylococcus* 3172.
 homology-*Neurospora crassa*/*Neurospora intermedia*/*Neurospora sitophila*/*Neurospora tetrasperma* 449.
 host-substituted, SV40, transcription, monkey kidney cell 1423.
 human, photochemical lesion, detection-peroxidase 2311.
 human cerebrospinal fluid, determination 3119.
 human sarcoma/leukaemia, detection-C-type virus-related gene 5819.
 human squamous cell, effect of UV-irradiation/temperature 3146.
 humic acid-associated, occurrence, soil 5802.
 hybrid, *Escherichia coli* x *Vibrio cholerae*, melting curve 5935.
 hybridization properties, N-nitrosodiethylamine-induced hepatoma, mouse 5969.
 hybridization-RNA, efficiency 2339.
 hybridization-RNA, method 3517.
 hycanthone-damaged, rat liver, repair 2030.
 hydration, effect of γ -irradiation, NMR 2694.
 hyperacetylated histone-associated, digestion-DNase I 5200.
 hyperchromism, phase 4429.
 immunoglobulin gene, sequence, mouse 4460.
 incorporation, L-cell 3597.
 incorporation, L-cell, effect of growth-promoting α -globulin 3191.
 incorporation-cytidine(5-aza-2'-deoxy), mouse leukaemia 1287.
 incorporation-dUTP, DNA N-glycosidase-defective *Bacillus subtilis* 2957.
 induction-flowering, *nicotiana tabacum* 5161.
 induction-single strand/double-strand breakage, γ -irradiation 3884.
 infectious, avian reticuloendotheliosis virus, integration site-avian cellular DNA 3988.
 infectivity, phage T7, *Escherichia coli* transfection 1644.
 insertion sequence, *Escherichia coli*, properties, review 3325.
 insertion sequence IS, role-chromosome phage λ integration 3982.
 integrated, murine leukaemia virus, transfection-mouse Fv-1 cell 3985.
 integration, adenovirus (human) 2 productively infected-KB cell 3539.
 integration, polyoma virus transformed rat cell, effect of virus mutation 519.
 integration during *Streptococcus sanguis* transformation 1655.
 integration pattern, adenovirus (human) 12-transformed hamster cell line 6112.
 interaction-<N->acetoxy<-N-4>acetylaminobiphenyl 396.
 interaction-<9->aminoacridine nitro derivative 392.
 interaction-N-acetyl-2-aminofluorene, effect of conformation 1973.
 interaction-acridine, review 9, 2149.
 interaction-actinomycin D 2-deamino derivative 5844.
 interaction-aflatoxin B1, rat liver 4400.
 interaction-agarose 3506.
 interaction-AMP(cyclic)/AMP(cyclic) binding protein, KB cell, Chinese hamster ovary cell 899.
 interaction-arylmethane dye, linear dichroism 4954.
 interaction-bacteria, review 5394.
 interaction-benzo(a)pyrene diol epoxide, purification-adduct 2687.
 interaction-berberine derivative 3882.
 interaction-bleomycin/actinomycin D, effect of thermal neutrons 2315.
 interaction-chromatin/nuclear sap nonhistone protein, effect of γ -irradiation 4949.
 interaction-copper-thiosemicarbazide complex, IR-spectroscopy/UV-spectroscopy 1513.
 interaction-cysteamine, characterization 5873.
 interaction-daunomycin, thermodynamics 381.
 interaction-daunomycin/tubidamycin 5851.
 interaction-4'-6diamidino-2-phenylindole 2329.
 interaction-dimethylnitrosamine 4961.
 interaction-distamycin/actinomycin 3875.
 interaction-drug 903.
 interaction-early RNA, adenovirus 1229.
 interaction-enzyme, role-error-free DNA biosynthesis 3936.
 interaction-*Escherichia coli*/phage fd DNA-binding protein, characterization 6308.
 interaction-bis-fluoroethyl nitrosourea, role-cytidine (fluoroethyl) 2254.
 interaction-fuchsin (basic)/formaldehyde 405.
 interaction-gold ion 4389.
 interaction-high-mobility-group nonhistone protein, calf thymus 4089.
 interaction-histone, calf thymus chromatin 3297.
 interaction-histone, characterization, calf thymus chromatin 1183.
 interaction-histone, circular dichroism/thermal denaturation 2123.
 interaction histone, during postnatal development, rat testis 4607.
 interaction-histone H1, effect of phosphorylation, NMR 2124.
 interaction-histone H1, turbidity study 3658.
 interaction-histone H4 model 3290.
 interaction-histone H4/protamine/iridine synthetic fragment 5842.
 interaction-iodine-polyvinylpyrrolidone complex 915.
 interaction-irehdiamine A 1498.
 interaction-3-methylcholanthrene/7,12-dimethylbenz(a)anthracene 5859.
 interaction-myosin/actin/troponin/tropomyosin 4950.
 interaction-netropsin, kinetics 3876.
 interaction-nitrobenzene, ESR 2331.
 interaction-nonhistone protein HMG1/nonhistone protein HMG2 1763.
 interaction-norharman/harman 904.
 interaction-oestrogen receptor, specificity 4401.
 interaction-peptide, use of-proflavine probe 3129.
 interaction-phage f1 gene (5) product 3871.
 interaction-phage T3 RNA polymerase 2098.
 interaction-phage T4 DNA unwinding protein 3681.
 interaction-phenosafranine, circular dichroism 4393.
 interaction-phenosafranine, spectroscopy 4955, 4956.
 interaction-poly[lysine]⁴⁸, histidine⁵² 378.
 interaction-polypeptide 3872.
 interaction-protamine 1757.
 interaction-protein, binding constant measurement 1806.
 interaction-protein, electron microscopy 379.
 interaction-protein, review 4103.

DNA,(continued)

- interaction-protein, role-chromatin structure 4083.
 interaction-protein, specificity 900.
 interaction-psoralen, determination-4',5'-cycloadduct 2328.
 interaction-psoralen, UV-irradiation 3142.
 interaction-quinolinemethanolamine, role-antimalarial activity 4975.
 interaction-spermidine, conformation 3889.
 interaction-surface active compound 3141.
 interaction-yeast RNA polymerase I subunit 4014.
 intermediate, avian sarcoma virus, structure 5014.
 intermediate, identification-*Bacillus subtilis* transformation 2068.
 intervening sequence, identification, mouse β -globin gene 3182.
 intracellular, adenovirus (human) 2, isolation/characterization, KB cell 4385.
 intracellular-structure, *Escherichia coli* 958.
 inverted repeat, nucleotide sequence, HeLa cell 974.
 inverted repeat, sequence analysis, CHO cell cloned DNA fragment 4467.
 UV-irradiated, antibody, measurement-systemic/discoid lupus erythematosus serum 1749.
 irradiated, double-stranded breakage 2338.
 irradiation (ionizing)-induced single-stranded breakage, repair kinetics, Chinese hamster cell/Ehrlich ascites cell 1608.
 X-irradiation, mammalian polynucleotide ligase activity 5292.
 γ -irradiation, thymine fragment analysis 2695.
 irradiation damage, aqueous solution, effects of nor-pseudo-pelletierene-N-oxide/misonidazole 4970.
 UV-irradiation-damaged, interaction-netropsin 1497.
 UV-irradiation-damaged, repair, xeroderma pigmentosum 2035.
 UV-irradiation/ γ -irradiation-damaged, defective repair, human Fanconi's anaemia 3958.
 γ -irradiation-treated, effect on sedimentation 2326.
 γ -irradiation-treated, formation-thymine (5,6-dihydroxydihydro) 2324.
 γ -irradiation-treated, isolation-2-deoxy-D-erythro-pentonic acid 2693.
 isoionic solution, conductance 5878.
 isoionic solution, secondary structure 6311.
 isolation-agarose gel, method 5828.
 isolation/characterization, *Streptomyces aureofaciens* 2313.
 isolation-*Fusarium graminearum*, chromatography (affinity) 5838.
 isolation-*Hordeum vulgare* protoplast 2681.
 isolation method, use-cetavlon 368.
 joining-phage T4 RNA ligase 5294.
 kinetoplast, structure, *Leishmania tarentolae* 960.
 kinetoplast, *Trypanosoma lewisi*, isolation/characterization 5949.
 L cell chromosome, localization-cytosine (5-methyl) 5068.
 labelling switch, use-thymidine phosphorylase inhibition 1983.
 lactic acid bacteria, base composition, review 5370.
Lactobacillus casei phage PL-1, characterization/transcription 5009.
 late replicating, localization-plant nuclear membrane 5824.
Lathyrus sativa, thymine dimer excision following UV-irradiation 2395.
 leghaemoglobin gene, occurrence-*Glycine max* 5822.
 length, phage mutant, electron microscopy 426.
 length, phage λ , electron microscopy, dependence-dehydration 3161.
 lesion, mitomycin C/UV-irradiation induced, repair-normal/Xeroderma pigmentosum/Fanconi's anaemia human cell 2034.
 linear, characterization-replication, adenovirus (human) 51000.
 linear/circular, mouse mammary tumour virus, restriction endonuclease mapping 5917.
 linear dichroism 1521.
 liver mitochondria, rats, heterogeneity 409.
 localization, *Equisetum arvense* spermatzoa nucleus 5821.
 localization-mouse hepatocyte nucleus 889.
 localization-*Periplaneta americana* haemocyte 3859.
 location- $\langle ?m \rangle$ RNA-specific sequence, hamster chromosome 615.
 long-term persistence-guanine (O⁶-methyl), rat brain 1057.
 low-molecular weight, origin/fate during metamorphosis, *Bombyx mori* 887.
 low-molecular weight, preparation method 4382.
 low-molecular weight, rat hepatocyte, isolation/characterization 5839.
 lymphocyte, effect of γ -irradiation 4398.
 male-specific, localization-chromosome Y satellite DNA 4465.
 mammal, effect on mycotoxin 4394.
 mammalian, fractionation, electrophoresis 4386.
 mammalian, replication in vitro, utilization-UTP(bromodeoxy)/UTP(iododeoxy) 4478.
 mammalian cell, assay method 5818.
 mapping, herpes simplex virus 1 x herpes simplex virus 2 recombinant 4439.
 mapping, phage λ deletion/substitution mutant 927.
 mapping, transforming/non-transforming Epstein-Barr virus 4443.
 measurement-rat uterus myometrium during pregnancy/postpartum involution 5813.
 mediated transformation, use-pathogenicity study, *Neisseria gonorrhoeae* 1660.
 melting curve, normal/tumour mouse liver 4640.
 melting curve, spectroscopy, determination-base composition 3147.
 melting curve, theory 1987.
 melting curve determination 4415.
 melting point, effect of tetraalkylammonium bromide 2327.
 melting properties, effect of ion concentration 424.
 melting temperature, effect of sodium ion/polycation 411.
 membrane-associated, characterization, *Escherichia coli* chromosome 5047.
 membrane complex, *Bacillus subtilis*, characterization 5936.
 membrane complex, *Escherichia coli*, characterization 5943.
 membrane complex, replication origin-containing, identification, *Escherichia coli* 6315.
 metabolism, *Arthrobacter atrocyaneus* /*Arthrobacter crystallopoietes*, during starvation 1036.
 metabolism, *Avena sativa* germination 2376.
 metabolism, chick embryo cell culture, effect of *Mycoplasma gallisepticum* infection 5127.
 metabolism, determination, lymphoid cell 2738.
 metabolism, embryo/foetus, review 4110.
 metabolism, human, effect of sodium fluoride during osteoporosis 6066.
 metabolism, mouse lymphocyte, during carcinogenesis 2407.
 metabolism, *Plasmodium* 6054.
 metabolism, rat, relationship-dietary zinc 5430.
 metabolism, rat neonate, effect of maternal undernutrition 6063.
 metabolism, regulation-corticosteroid during mechanical trauma, rat spleen 838.
 methylated, compact form, polyethylene glycol-containing solution, circular dichroism 419.
 methylation, during leukosis, cattle 2051.

DNA,(continued)

- methylation, relationship-*Diplococcus pneumoniae* restriction endonuclease specificity 1107.
- methylation-dimethylnitrosamine, effect of partial hepatectomy/carbon tetrachloride, rat liver 2031.
- methylation during replication, herpes simplex virus 1 993.
- methylation-methylazoxymethanol acetate, rat colon/duodenum/liver 5861.
- methylation-N-methyl-N-nitrosourea, effect of polyamine, rat liver 5863.
- methylation product pattern, methyl diazonium ion 376.
- N-methyl-N-nitrosourea-modified, properties 1504.
- Micrococcus lysodeikticus*, fate, *Cucumis melo* seed 6089.
- Micrococcus lysodeikticus*, fate, *Lactuca sativa* seed 6090.
- Micrococcus lysodeikticus*, fate, *Matthiola* seed 6086.
- mismatched base pair, recognition-*Ustilago maydis* DNase I 6153.
- mitochondrial/chloroplast, *Zea mays*, heterogeneity 5072.
- modification-oligonucleotide derivative 895.
- molecular weight, use-electron microscopy, phage/plasmid 926.
- monomer, circular dichroism 1282.
- mouse, condensation, chromatin 612.
- mouse, effect of ethyl methanesulphonate nitrogen mustard hydrochloride N-methyl-N'-nitro-N-nitrosoguanidine 4-nitroquinoline 1-oxide 3135.
- mouse, β -globin gene, sequence 5966.
- mouse, guanine-cytosine base pair formation, blocking-glyoxal 3140.
- mouse, restriction endonuclease EcoRI fragment, immunoglobulin gene organization 5967.
- mouse chromosome, localization-A-T rich region 3552.
- mouse epidermis, UV-irradiation-induced pyrimidine dimer, absence-photoreactivation 4663, 4974.
- mouse erythroleukaemia cell, effect of dimethyl sulphoxide 3933.
- mouse erythroleukaemia cell, interaction-actinomycin D, induction differentiation 5840.
- mouse L cell/CHO cell, occurrence-single-stranded region 4461.
- mouse mammary tumour virus-specific, comparison-*Mus musculus* /*Mus caroli* /*Mus cervicolor* 1556.
- mouse neuroblastoma cell, incorporation-uridine (5-bromodeoxy) 4719.
- mouse oocyte, content during meiosis 2310.
- mouse/rat liver microsome, binding-trichloroethylene 4966.
- mouse skin, UV-irradiation-induced pyrimidine dimer, excision 3211.
- mouse testis, effect of irradiation 4396.
- mutagenesis/repair, mechanism, review 5389.
- Mycobacterium butyricum* /*Mycobacterium phlei* phage, characterization 5002.
- Myxococcus xanthus* phage MX4, characterization 2711.
- N-2-acetylaminofluorene adduct, detection, radioimmunoassay 908.
- nascent, associated RNA, isolation/characterization, human lymphocyte 812.
- nascent, chromatin nucleosome-like structure, sea urchin 5340.
- nascent, SV40, distribution-5'-terminal oligonucleotide 2349.
- nascent replicative form, phage M13, structure 2346.
- native, antibody detection 4046.
- native/denatured, assay, use-glyoxal/acridine orange 230.
- native/denatured, interaction-proflavine 905.
- native/denatured, nonspecific interaction-*Escherichia coli* RNA polymerase 4568.
- nearest neighbour configuration, circular dichroism 4410.
- nearest neighbour frequency, computation, use-circular dichroism 4417.
- nearest neighbour frequency, determination, use-circular dichroism 2702.
- neocarzinostatin-induced strand breakage, terminal analysis 5853.
- Neurospora*, sequence relatedness 3173.
- nicked, polyethylene glycol condensed, SV40, ligation 3151.
- nicked, 3'-terminal, attachment-DNA-unwinding protein 2909.
- nicking, role-phage T5 gene (D15) nuclease 1086.
- Nicotiana glauca*, incorporation-uridine(5-bromodeoxy), effect on proliferation 129.
- nitrogen base interaction 3899.
- nitrous acid damage, repair, *Escherichia coli* 1593.
- Nocardia corallina* /*Nocardia citrea*, nucleotide composition 5938.
- non-operator, binding-*Escherichia coli* repressor(lac), association constant measurement 1805.
- non-operator, complex-*Escherichia coli* repressor (lac), electron microscopy 1801.
- non-operator, interaction-*Escherichia coli* repressor(lac), stoichiometry 1804.
- non-specific binding-repressor (lac) 3870.
- noncontiguous variable + constant region gene, germ line/myeloma, mouse 2365.
- nonintegrated, Marek's disease virus, characterization, transformed lymphoblastoid cell 5927.
- nonintegrated, occurrence, SV40 + polyoma virus doubly transformed rat cell 3855.
- nonintegrated, plasmid, isolation-*Escherichia coli* 4942.
- nonrepetitive sea urchin, evolution, *Strongylocentrotus purpuratus* /*Strongylocentrotus droebachiensis* /*Strongylocentrotus franciscanus* /*Lytechinus pictus* 2730.
- nuclear polyhedrosis virus, properties, *Trichoplusia ni* /*Pseudoplusia includens* /*Autographa californica* /*Rachiplusia ou* 1538.
- nuclear polyhedrosis virus, restriction endonuclease analysis, use-virus identification 3615.
- nuclease activity, protection-histone 1189.
- nuclei, distribution-human brain tumours cells 323.
- nuclei, liver/cerebellum, mice, template primer activity, *Micrococcus lysodeikticus* DNA polymerase/*Escherichia coli* DNA polymerase 535.
- nucleolar, amplification, *Ornithogalum elatum* endosperm 467.
- nucleosome, histone sequence, Ehrlich ascites carcinoma 1184.
- nucleosome-associated, transcribed/nontranscribed region, length 5327.
- nucleotide composition, *Mycobacterium* 2727.
- nucleotide fingerprinting, method 421.
- nucleotide sequence, computer analysis 414.
- nucleotide sequence, *Orgyia pseudotsugata* nuclear polyhedrosis virus 2348.
- nucleotide sequence, plasmid PSM insertion sequence IS1 2705.
- nucleotide sequence, relationship-nucleosome, rat 6280.
- nucleotide sequence determination, use-acrylamide gel 4418.
- nucleotide sequence determination, use-methylene blue/osmium tetroxide 3148.
- occurrence, mouse tumour cell surface 2674.
- occurrence, non-Hodgkin's lymphoma, use-cytofluorometry 891.
- oligomeric, SV40, biological properties, infection/transformation 6080.
- oncornavirus, characterization, HEp-2 cell 3913, 4437.

DNA,(continued)

- oncornavirus, isolation/characterization. *Presbytis obscurus* 938.
- operator, interaction-repressor(lac), effect of magnesium ion/sodium ion 1807.
- operator (lac), recognition sequence-containing, cloning-*Escherichia coli* 6093.
- organization. *Gecarcinus lateralis* genome 1550.
- organization, phage T4 head, electron microscopy/X-ray diffraction 5912.
- Orygia pseudotsugata* nuclear polyhedrosis virus, characterization 1536.
- ovalbumin gene cloning, plasmid pMB9 2056.
- overmethylation, DNA methylase EcoRI 4503.
- Oxytricha* macronucleus, inverted terminal repeat sequence, isolation/characterization 4454.
- packaging, comparison-Xf virus/Pf1 virus 1534.
- packaging, phage λ , electron microscopy 5896.
- packaging, phage λ , role-cohesive end site 2708.
- packaging, phage λ , role-gene (D) protein 2709.
- packaging, phage P22, analysis 3199.
- packaging, phage SD, use-light-induced capsid degradation 428.
- packaging, phage T4 427.
- packing, chromosome, fluorescence polarization 5351.
- packing chromatin 2334.
- palindrome, tertiary structure 4412.
- palindrome sequence, papilloma virus (human), characterization 1537.
- palindrome sequence symmetry 5884.
- papovavirus, detection, multiple sclerosis 352.
- Paramycium tetraurelia* cell cycle, regulation 3562.
- pea root nucleus deoxyribonucleoprotein, binding-aluminium 1755.
- perinuclear, relationship-heterochromatin 882.
- Peromyscus eremicus* heterochromatin, transcript RNA, characterization 2630.
- phage, detection, use-ethidium bromide fluorescence 3491.
- phage β , relationship-phage γ 2712.
- phage β 1, transfection-*Bacteroides thetaiotaomicron* 1066.
- phage λ , attachment site, nucleotide sequence 3521.
- phage λ , cos site, nucleotide sequence 3908.
- phage λ , denaturation-magnesium chlorate, spectroscopy/electron microscopy 3907.
- phage λ , effect of psoralen-damaged phage λ superinfection, *Escherichia coli* 2792.
- phage λ , *Escherichia coli* transfection efficiency 6105.
- phage λ , function, relationship-sequence 4528.
- phage λ , in vitro transcription 2274.
- phage λ , interaction-furocoumarin 4408.
- phage λ , UV-irradiation-induced binding-angelicin/xanthotoxin 2332.
- phage λ , isolation-*Escherichia coli* genome attachment site-containing restriction fragment 2678.
- phage λ , localization-*Escherichia coli* ribosome binding site 2710.
- phage λ , replication initiation in vitro, gene (P) product promotion 2377.
- phage λ , restriction endonuclease mapping 1995, 2342, 2343, 5899.
- phage λ /phage ϕ 80, restriction endonuclease mapping 2344.
- phage λ -phage ϕ 80 hybrid, restriction endonuclease Hind/*Escherichia coli* RNA polymerase cleavage pattern 1665.
- phage λ /phage 186, effect of psoralen-damaged phage 186, *Escherichia coli* 2793.
- phage λ prophage, transfection-*Escherichia coli* spheroplast 5181.
- phage λ fus3, use-*Escherichia coli* ribosomal protein gene mapping 2001.
- phage λ gt-plasmid pMB9 hybrid, transduction-*Escherichia coli* 3238.
- phage λ plac5, RNA polymerase binding site 1992.
- phage ϕ A, effect of mitomycin C, infected *Escherichia coli* 3573.
- phage ϕ B/phage Tg9, partial denaturation, effect of denaturation condition 5901.
- phage ϕ X174, denaturation map 5897.
- phage ϕ X174, duplex region, cleavage-*Haemophilus aegyptius* restriction endonuclease 1698.
- phage ϕ X174, heterologous transfection system 4529.
- phage ϕ X174, irradiation treated, effect of H radical 4397.
- phage ϕ X174, melting curve 1529.
- phage ϕ X174, nucleotide sequence 5898.
- phage ϕ X174, photodynamic inactivation-proflavine, mechanism 917.
- phage ϕ X174, replication origin, nucleotide sequence 4431.
- phage ϕ X174, substrate, DNA biosynthesis, effect of UV-irradiation-induced mutagenesis 6018.
- phage ϕ 105 infected *Bacillus subtilis*, transfection activity/structure 6103.
- phage ϕ 29, 5'-terminal-associated protein, isolation/characterization 6312.
- phage ϕ 29, transfection-*Bacillus subtilis*, dose response 1640.
- phage ω 3, transfection, pneumococcus 2412.
- phage Dp-4, transfection-*Streptococcus pneumoniae* 3983.
- phage fd, interaction-*Escherichia coli* RNA polymerase, binding site mapping, electron microscopy 430.
- phage fd, interaction-*Escherichia coli* RNA polymerase, dissociation kinetics 553.
- phage fd, melting curve/denaturation map 5905.
- phage fd, melting region, mapping 3164.
- phage f1, gene (IV) fragment, nucleotide sequence 3529.
- phage g3/phage g8/phage g12/phage g16/phage g18, characterization 4434.
- phage G4, negative strand initiation site, nucleotide sequence 5005.
- phage G4, viral/complementary, biosynthesis origin, nucleotide sequence 3166.
- phage Mu, G segment orientation, role-growth 3530.
- phage M13, replicative intermediate, structure 4433.
- phage M13, transcription mechanism 4850.
- phage PM2, binding-iodine-125-labelled proflavine (iodo), induction-double-stranded breakage 3131.
- phage PM2, cleavage-nuclease S1 489.
- phage PM2, intercalation-ethidium bromide/ethidium dimer/acridine dimer, electron microscopy 3526.
- phage PM2, methyl methanesulphonate-alkylated, repair, requirement-DNA N-glycosidase/apurinic site-specific endonuclease 1011.
- phage PR5, characterization 5909.
- phage P1, localization-insertion sequence IS1 5903.
- phage P2, maturation 5125.
- phage P22, restriction endonuclease mapping 3165.
- phage P4, restriction endonuclease cleavage mapping 5908.
- phage R17/phage T7, interaction-benzo(a)pyrene 7,8-dihydrodiol-9,10-oxide 5858.
- phage S-2L, adenine, purine (2,6-diamino)-substituted 5911.
- phage sd, effect of 8-methoxypsoralen + UV-irradiation 4969.
- phage SPO1, binding-*Bacillus subtilis* RNA polymerase, effect of transcription inhibitory protein 5249.
- phage SPPI, complementary strand polarity 5914.
- phage SP82, transcript localization 1916.
- phage Tg9/phage ϕ B, denaturation map 930.

DNA,(continued)

- phage T1, UV-irradiation-induced damage, immunological activity 1751.
- phage T2/phage T7, binding-*Escherichia coli* RNA polymerase 1111.
- phage T2/plasmid ColE1, double-stranded breakage, production-bleomycin 384.
- phage T3, in vitro packaging 5006.
- phage T3, transcription-RNA polymerase, *Escherichia coli* cell-free system, effect of temperature 3828.
- phage T4, complex-ethidium bromide, fluorescence depolarization 386.
- phage T4, endonuclease cleavage kinetics 1666.
- phage T4, packaging 3527.
- phage T4, purine (2-amino) incorporation, mutation frequency, effect of temperature 1266.
- phage T5 genome, restriction endonuclease mapping 429.
- phage T7, accumulation-*Escherichia coli* assembly blocking mutant 6078.
- phage T7, binding-*Escherichia coli* RNA polymerase, displacement-heparin 1700.
- phage T7, cloning, use-gene mapping 5012.
- phage T7, complex-*Escherichia coli* RNA polymerase 1110.
- phage T7, early region restriction endonuclease fragment, hybridization mapping 433.
- phage T7, *Escherichia coli* RNA polymerase primed abortive initiation-RNA biosynthesis 4334.
- phage T7, fractionation-endonuclease S1 523.
- phage T7, interaction-*Escherichia coli* RNA polymerase, photochemical cross-linking 6172.
- phage T7, γ -irradiation-induced cross-linking-protein, measurement 5843.
- phage T7, linear dichroism 4436.
- phage T7, mapping-*Escherichia coli* RNA polymerase binding site 5004.
- phage T7, packaging in vitro 5007.
- phage T7, promotor/terminator isolation, use-restriction endonuclease BsuR 5836.
- phage T7, replicative intermediate, structure/maturation 5904.
- phage T7, ribosome binding site, electron microscopy 5011.
- phage T7, sedimentation rate/viscosity, effect of methylmercuric hydroxide 4432.
- phage T7 early region, restriction endonuclease cleavage mapping 5910.
- phage T7 promoter, polynucleotide sequence, synthesis 2959.
- phage X174, photodynamic effect-proflavine 3132.
- Phaseolus aureus* / *Glycine max* / *Matthiola incana* / *Brassica pekinensis* / *Cucumis melo*, rRNA gene distribution 2737.
- pheasant, detection-Rous associated virus genome 936.
- photodegradation-acridine orange, kinetics 391.
- photodimer formation, role-excited state cytosine 2927.
- photoproduct containing, effect of phage T4 endonuclease V 2432.
- photoreactivation-psoralen/psoralen (8-methyl), effect of base composition 2330.
- photoreactivation-thymine dimer, <UV->irradiation treated human fibroblast 397.
- Physarum polycephalum*, analysis, use-netropsin/caesium chloride density gradient 2360.
- physical properties 370, 410.
- physical properties, dilute isoionic solution 3514.
- physical properties, phage J1 929.
- physicochemical properties, *Agrobacterium tumefaciens* phage PS8 2713.
- Pisum*, template activity/physical properties, effect of aluminium 5974.
- Pisum sativum* chromosome, replication unit 1568.
- plant, cytosine (5-methyl) content, effect of flowering gradient 4523.
- plasmid, *Bacillus brevis*, isolation/characterization 5834, 5968.
- plasmid, gene recombination, use-restriction endonuclease EcoRI 1648.
- plasmid, isolation, *Streptococcus* 4943.
- plasmid, recombination, biohazards 2911.
- plasmid, replication, *Proteus mirabilis* 3195.
- plasmid, replication initiation 5082.
- plasmid, replication origin, regulation/characterization 3581.
- plasmid, role-virulence, *Vibrio anguillarum* 1063.
- plasmid λ dv 21, complex-calf thymus histone, reconstitution 6245.
- plasmid Clo DF13, ampicillin-resistance sequence, integration site 5000.
- plasmid Col E1, restriction-restriction endonuclease Eco RI, effect of 4,6'-diamidine-2-phenylindole 4562.
- plasmid Col E1/SV40, modification-benzo(a)pyrene metabolite 2318.
- plasmid ColE1, phage λ mediated transduction 2411.
- plasmid ColE1, restriction endonuclease fragment complementary strand separation, chromatography (high pressure) 2677.
- plasmid ColE1, RNA transcription product, characterization 4862.
- plasmid ColE1, strand breakage-benzo(a)pyrene diol epoxide 406.
- plasmid F', host-controlled restriction, protection-phage T3/ phage T7, *Escherichia coli* 2410.
- plasmid F, restriction endonuclease EcoRI fragment, tra cistron assignment 5168.
- plasmid Inc P-2, isolation-*Pseudomonas aeruginosa* 4944.
- plasmid-like, occurrence-*Podospora anserina* 4933.
- plasmid pBR345, replication origin 2704.
- plasmid pC194, cloning, *Bacillus subtilis* 3981.
- plasmid pIE098/pIE099, characterization, *Enterobacter cloacae* / *Klebsiella pneumoniae* 2703.
- plasmid RP1/RP4/RP8, electron microscopy 4428.
- plasmid RP4, restriction endonuclease Bam HI/Sal I/Sma I recognition site 4563.
- plasmid R6-5, restriction endonuclease HindIII/EcoRI fragment, cloning 5172.
- plasmid R6K, cloning 3602.
- plasmid R6K, replication-*Escherichia coli*, analysis 3197.
- plasmid R6K, replication-*Escherichia coli* K12 5083.
- plasmid Ti, transcription-tobacco callus crown gall tumour 828.
- plasmid Tn501, characterization 2341.
- platinum complex, circular dichroism 4404.
- poly d(A..T) joined cloned segment, excision 3599.
- polycation complex, helix-coil transition/Cotton effect 423.
- polyoma virus, mapping 2718.
- polyoma virus, replication origin region, nucleotide sequence 948.
- polyoma virus, transcription during infection 2284.
- polypeptide complex, structure 3682.
- polypeptide recognition, model 896.
- polysaccharide contamination, study, use-polarography 3123.
- post-replication repair, Yoshida lymphosarcoma cell, role-chromosome aberration 6045.
- postreplication repair, *Escherichia coli* K12, effect of caffeine/chloramphenicol 2024.
- precursor uptake, effect of methotrexate, rat tumour/normal tissue 1053.
- primate squirrel monkey retrovirus provirus sequence content

DNA,(continued)

5065.
processing mutant, *Salmonella typhimurium* detection 6122.
product, phage T7 gene (4) protein + DNA polymerase, characterization 5008.
promoter-containing fragment, phage T7, differential melting curve measurement 5902.
Prorocentrum micans chromosome, goniometric effect 5350.
protein, photo-interaction, review 4676.
protein adduct, UV irradiation-induced, effect of uridine(5-bromodeoxy) 3869.
protein complex, adenovirus (simian) 7, characterization 2907.
protein complex, *Bacillus subtilis*, characterization 3306.
protein complex, characterization, ethyleneglycol-bis-N,N'-tetraacetic acid/dithiothreitol-treated polyoma virus 5360.
protein complex, characterization, SV40-infected monkey kidney cell 624.
protein complex, circular, adenovirus (human) 5-infected HeLa cell 625.
protein complex, infectivity, human embryo kidney cell 5155.
protein complex, phage ϕ 29, characterization 3305, 4657.
protein cross-linking reagent 897.
Proteus, comparison-*Providencia* 5041.
Proteus mirabilis, UV-irradiation-induced single-stranded breakage, excision-repair 3205.
Proteus morganii plasmid, physical properties 3157.
provirus, susceptibility, productively infected cell, simian sarcoma virus/C-type virus (baboon) 3973.
pseudogene structure, *Xenopus laevis* 967.
Pseudomonas plasmid, classification/physical properties 4995.
Pseudomonas putida plasmid, characterization 3153.
Pseudomonas putida plasmid, restriction endonuclease cleavage site analysis 5888.
pseudorevertant, structure, phage T4 gene(49) mutant, gene(X) mutation-containing 931.
psoralen-cross-linked, adenovirus (human) 2, structure, electron microscopy 5020.
pulse-polarographic wave height, effect of initial potential 3894.
purification/structure, avian sarcoma virus-infected quail tumour cell 3569.
purine/pyrimidine base, emission polarization 2151.
pyrimidine dimer, association-tumour formation, UV-irradiation-treated *Poecilia formosa* thyroid 2697.
quantitative determination, use mithramycin 347.
R factor, dissociation/amplification/reassociation 4983.
R factor, structure/replication, review 3324.
R factor, transformation-*Pseudomonas aeruginosa* 3600.
R factor NR 1, in vitro translation 3229.
rabbit liver, mapping-region adjacent- β -globin gene 970.
radioactive, *Escherichia coli*, reassociation kinetics, length dependence 3542.
radioactive labelling, cell culture 373.
raf, methyl phosphotriester formation/stability following N,N-dimethylnitrosamine treatment 4964.
rat bladder epithelium, guanine(6-methyl) accumulation, effect of N-methyl-N-nitrosourea 2688.
rat growth hormone sequence-containing, primary structure 2011.
rat hepatoma, incorporation-uridine (bromodeoxy), effect on cytosine5-methyl content 1289.
rat liver, binding-benzene 1502.
rat liver, binding-benzo(a)pyrene 4967.
rat liver, ethylation, effect of copper 2388.
rat liver, ethylation-diethylnitrosamine 1976.
rat liver, repair in vivo, dimethylnitrosamine/diethylnitrosamine-induced damage 2393.
rat mammary gland/liver, binding-7,12-dimethylbenz(a)anthracene 3128.
rat thymocyte, incorporation-cytidine(deoxy)/thymidine, effect of serine 1286.
ratio-protein, HeLa cell chromatin, effect of hyperthermia 5343.
reaction-furylfuramide in vitro 4968.
reaction-glycylaldehyde, guanosine (deoxy) reaction product, identification 3133.
rearrangement, plasmid/phage, review 2515.
reassociation, catalysis-*Escherichia coli* DNA-binding protein, polyamine-dependence 1795.
reassociation kinetics 5670.
reassociation kinetics, *Artemia salina* 2009.
reassociation kinetics, computer analysis 2701.
reassociation kinetics, effect of random shearing 3511.
reassociation kinetics, evaluation-*Picea* crossability pattern 3559.
reassociation rate, effect of phenol emulsion reassociation technique 921.
receptor, specificity, *Bacillus subtilis* 1803.
recombinant, cloning, book review 4662.
recombinant, formation-*Xenopus laevis* egg cell-free system 477.
recombinant, hazards, review 1242.
recombinant, review 2912, 5372, 5376, 5386, 5387.
recombinant, uses/hazards, review 5396.
recombinant plasmid, incorporation/maintenance, plant protoplast 4527.
recombination, inhibition-daunomycin, *Streptococcus pneumoniae* 1658.
recombination, plasmid ColEI, mechanism 516.
recombination, review 13, 1.
recombination mechanism, eukaryote, review 19.
reduction/adsorption-mercury electrode, effect of polyamine 3895.
redundancy, evolution, review 1810.
reduplication, *Carausius morosus*, induction-temperature 2768.
relationship-histone content, chromatin 4085.
relaxing activity, sea urchin embryo DNase (ATP-dependent) 3260.
release, *Bacillus subtilis*, genetic marker enrichment 1643.
release, during *Bacillus subtilis* transformation, role-spore outgrowth 6081.
release, *Rana esculenta* auricle 511.
release, rat lymphoblast cell culture 1059.
release, *Zea mays* leaf, effect of pressure 6084.
release-human blood lymphocyte, characterization 1058.
removal-uridine (5-bromo-2-deoxy), rat liver 2177.
renatured, biological activity, phage SP82G 1641.
repair, adaptive response-N-methyl-N'-nitro-N-nitrosoguanidine, *Escherichia coli* 2026.
repair, alkylation damage, mammalian cell 2038.
repair, alkylation-induced, *Escherichia coli* K12, role-DNA polymerase I 3270.
repair, *Aspergillus nidulans*, psoralen-pyrimidine monoadduct 3207.
repair, assay, human lymphocyte 3962.
repair, benzo(a)pyrene diol epoxide-induced damage, human alveolar tumour cell 6035.
repair, 7-bromomethylbenz(a)anthracene-treated Chinese hamster cell, inhibition-caffeine 5112.
repair, N-butyl-N-(4-hydroxybutyl)nitrosamine induced damage, rat bladder epithelium 3955.

DNA,(continued)

- repair, caffeine-sensitive/resistant, mammalian cell.
 relationship-mutagenesis/lethality 1604.
 repair, capacity, effect of age, rat 4491.
 repair, carcinogen-induced, HeLa cell 1027.
 repair, Chinese hamster lung cell, effect of X-irradiation 3576.
 repair, correlation-diethylnitrosamine-induced
 carcinogenesis, rat 6029.
 repair, defect, *Bacillus subtilis* 6024.
 repair, defective, xeroderma pigmentosum, review 4098.
 repair, effect of <4->nitroquinoline<-1->oxide/<N-
 >acetoxy<-2->acetylaminofluorene/<N->methyl<-N'-
 >nitro<N->nitrosoguanidine/daunomycin, xeroderma
 pigmentosum cell culture 483.
 repair, effect of adeturone, *Escherichia coli* 3952.
 repair, effect of caffeine, X-irradiation, mammalian cell 1605.
 repair, effect of trans-cyclopropylbis(diketopiperazine) 5119.
 repair, effect of diazoacetyl glycine amide/diazoacetyl glycine
 methylamide/diazoacetyl glycine hydrazide/diazoacetyl-
 alanine ethyl ester 1599.
 repair, effect of freezing, *Escherichia coli* 1018.
 repair, effect of hyperthermia, hamster 1022.
 repair, effect of ICRF 159, mouse tumour cell line 1612.
 repair, effect of x-irradiation/hyperthermia, hamster plateau-
 phase cell 2394.
 repair, effect of γ -irradiation/UV-irradiation, human,
 rheumatic disease 1596.
 repair, effect of radioactivity, chronic rheumatism, human
 2760.
 repair, enzymology, review 3327.
 repair, *Escherichia coli*, time course/role-oxygen 3574.
 repair, *Escherichia coli* /phage λ , role-gene (lex) 6022.
 repair, following X-irradiation, comparison-*Trichoplusia ni*
 Chinese hamster 2028.
 repair, following X-irradiation/UV-irradiation, ataxia
 telangiectasia/xeroderma pigmentosum 3214.
 repair, following UV-irradiation/ γ -irradiation, role-DNA
 polymerase III, *Escherichia coli* 6199.
 repair, following methyl nitrosourea carcinogenesis, normal/
 precancerous/cancerous human cervix fibroblast 2762.
 repair, HeLa cell, γ -irradiation-induced damage, effect of
 carcinogen 1602.
 repair, *Hordeum*, N-methyl-N-nitrosourea-induced,
 stimulation-sodium azide 4502.
 repair, human, relationship-sister chromatid exchange/
 chromatid interchange 2137.
 repair, human fibroblast, assay 3577.
 repair, human lymphocyte 1597.
 repair, human Werner syndrome 1024.
 repair, human xeroderma pigmentosum, relationship-UV-
 irradiation sensitivity 3959.
 repair, inhibition-arsenic, UV-irradiation-treated *Escherichia*
 coli 2385.
 repair, inhibition-isonicotinic acid hydrazide, CHO cell 6041.
 repair, UV-irradiation + post-irradiation-induced, hamster V-
 79 cell, comparison-human fibroblast 2041.
 repair, UV-irradiation, *Micrococcus luteus*, role-endonuclease
 3613.
 repair, γ -irradiation, *Saccharomyces cerevisiae*, relationship-
 nuclear division 6025.
 repair, UV-irradiation, *Salmonella typhimurium* /*Salmonella*
 abony 2756.
 repair, UV-irradiation/carcinogen-induced, during meiotic
 maturation, mouse oocyte 5113.
 repair, UV-irradiation-induced, human B-lymphocyte/T-
 lymphocyte 6034.
 repair, UV-irradiation-induced, leukaemia (chronic
 lymphatic), human 2763.
 repair, UV-irradiation-induced, mouse embryo fibroblast,
 relationship-life span 3957.
 repair, UV-irradiation-induced, *Petunia hybrida* 5122.
 repair, UV-irradiation-induced, *Proteus mirabilis*, role-
 protein biosynthesis/gene (rec) 1589.
 repair, UV-irradiation-induced, rat spleen lymphocyte,
 inhibition X-irradiation 5115.
 repair, UV-irradiation-induced, yeast, effect of caffeine 5107.
 repair, X-irradiation-induced damage, effect of interferon,
 mouse 4494.
 repair, irradiation-induced damage, effect of lucanthone,
 CHO cell 6042.
 repair, X-irradiation-induced damage, rat brain normal/
 tumour 4495.
 repair, UV-irradiation induced damage, *Salmonella*
 typhimurium 1592.
 repair, γ -irradiation-induced damage, thymocyte 3208.
 repair, X-irradiation/irradiation (neutron) damage, mouse
 embryo 5114.
 repair, UV-irradiation-treated + tick-borne encephalitis virus-
 infected Hep-2 cell 3578.
 repair, UV-irradiation-treated cell, during cell cycle 4501.
 repair, UV-irradiation-treated Chinese hamster cell,
 enhancement-UV-irradiation during G₂ phase/S phase 6043.
 repair, UV-irradiation-treated human cell, stimulation-phase
 T4 endonuclease V 6132.
 repair, X-irradiation-treated mouse spermatid 2387.
 repair, lymphocyte/tumour tissue, cancer patient, effect of
 irradiation therapy 6036.
 repair, mechanism, xeroderma pigmentosum/ataxia
 telangiectasia, review 1233.
 repair, mouse, effect of daunomycin/irradiation 2390.
 repair, mouse leukaemia lymphoblast, effect of X-irradiation
 sensitivity 1603.
 repair, mouse spermatid, effect of X-irradiation + methyl
 methanesulphonate combined treatment 5110.
 repair, normal/preneoplastic mammary gland tissue 2764.
 repair, ozone-induced, *Escherichia coli* 5099.
 repair, phage λ , *Escherichia coli* gene (dnaB) mutant, effect
 of temperature shift 1584.
 repair, photodynamic treatment-induced damage, *Proteus*
 mirabilis 1588.
 repair, plasmid-borne, interaction-SOS repair, *Escherichia*
 coli 1014.
 repair, post-replication, following UV-irradiation, human
 fibroblast, pyrimidine dimer assay 5118.
 repair, psoralen/light treated *Escherichia coli*, kinetics/
 topography 5103.
 repair, *Rana pipiens* /human cell, effect of acridine mustard
 ICR 191/N-methyl-N'-nitro-N-nitrosoguanidine 2386.
 repair, rat lens epithelium, induction-nitrogen mustard/4-
 nitroquinoline-1-oxide 6028.
 repair, relationship-carcinogenesis 4672.
 repair, relationship-carcinogenesis, review 5391.
 repair, role-u.v. irradiation-induced protein, *Escherichia coli*
 1586.
 repair, role-UV-irradiation-induced protein, *Escherichia coli*
 1586.
 repair, role-recombination 2383.
 repair, *Saccharomyces cerevisiae*, effect on mitotic
 recombination/mutation 5191.
 repair, *Saccharomyces cerevisiae* hydrazine-induced
 mutability 4489.
 repair, spermatozoa, methyl methane sulphonate-treated
 rabbit 6030.
 repair, SV40-transformed hamster kidney cell, effect of

DNA,(continued)

- caffeine 5108.
- repair, xeroderma pigmentosum, effect of N-acetoxy-2-acetylaminofluorene 4498.
- repair, xeroderma pigmentosum, human 2759.
- repair, xeroderma pigmentosum, review 2916.
- repair-benz(a)pyrene/radiation(ionizing)-induced damage, mammalian cell 2036.
- repair capacity loss during rat fibroblast subculture 492.
- repair/degradation, UVirradiation-treated *Bacillus subtilis*, gene (recA) mutant 2025.
- repair-irradiation (ionizing)-induced damage, mechanism, review 1253.
- repair- γ -irradiation damage, effect of gibberellin, *Vicia faba* 2044.
- repair kinetics, N-acetoxy-2-acetylaminofluorene/UVirradiation-induced, human fibroblasts 1023.
- repair mechanism, mammalian leucosis virus-infected human diploid cell 1614.
- repair pattern, effect of dimethylnitrosamine, comparison-methyl methanesulphonate, rat liver 2033.
- repair replication, herpes simplex virus-infected human embryo lung cell 490.
- repair/replication, liver, effect of carcinogen 6031.
- repair/survival, effect of Tween 80, *Escherichia coli*, following UV-irradiation/ γ -irradiation 4486.
- repair/survival, UV-irradiation-induced, comparison-*Trichoplusia ni* /Chinese hamster 2029.
- repair synthesis, UV-irradiation-induced, distribution-human chromatin 4499.
- repair synthesis, UV-irradiation-induced, toluene-treated *Escherichia coli*, role-DNA polymerase I 6197.
- repair synthesis, UV-irradiation-induced, Werner's syndrome fibroblast 4496.
- repair synthesis, mammalian cell-culture, effect of N-methyl-N-nitrosourea 1594.
- repair synthesis, yeast, inhibition-glucose(2-deoxy) 3953.
- repair system, evolution, review 1812.
- repeat length, comparison-histone H1/histone H5-containing chromatin 2131.
- repeat nucleotide sequence, replication mechanism, CHO cell 2375.
- repeated nucleotide sequence organization, CHO cell replicon 973.
- repetitive, African green monkey, characterization 5066.
- repetitive, analysis, chick embryo 2733.
- repetitive, distribution, Chinese hamster cell chromosome 4649.
- repetitive, *Drosophila hydei* heterochromatin, characterization 5332, 5334.
- repetitive, *Drosophila hydei* heterochromatin, characterization 5333.
- repetitive, evolution origin, model 2366.
- repetitive, human, simple/complex sequence 4466.
- repetitive, localization, human chromosome 2899.
- repetitive, restriction endonuclease cleavage site, relationship-chromatin subunit, African green monkey/calf nucleus 2493.
- repetitive, role-*Cymbidium* evolution 5976.
- repetitive, sequence analysis, rat 1560.
- repetitive/inverted repeat, sequence organization, rat 1561.
- repetitive nucleotide sequence, *Triticum aestivum* 5973.
- repetitive sequence, distribution, *Tetrahymena pyriformis* genome 5947.
- repetitive sequence, evolution, *Strongylocentrotus purpuratus* /*Strongylocentrotus droebachiensis* /*Strongylocentrotus franciscanus* /*Lytechinus pictus* 1549.
- repetitive sequence, isolation/characterization, pigeon genome 371.
- repetitive sequence, localization-*Plethodon cinereus* chromosome 6282.
- repetitive sequence, relationship, *Gramineae* 458.
- replicating, irradiation-induced damage, effect on S phase, CHO cell 3136.
- replicating, structure, adenovirus (human) 2 942.
- replicating, SV40, association-histone 1756.
- replicating/non-replicating, repair following UV-irradiation 5100.
- replicating/recombining, phage T7, purification/characterization, infected *Escherichia coli* 3531.
- replication, adenovirus (human) 2, biosynthesis-infected histone, KB cell synthesis 3653.
- replication, adenovirus (human) 5, initiation mechanism 4474.
- replication, African swine fever virus, inhibition-phosphonoacetic acid, infected Vero cell 3966.
- replication, BHK cell, stimulation-dienadenosine tetraphosphate 2558.
- replication, bovine rhinotracheitis virus 2379.
- replication, CHO cell, effect of mercuric chloride 1048.
- replication, CHO cell/HeLa cell/L cell, effect of protein biosynthesis inhibition 1052.
- replication, control-gene (cdc), *Saccharomyces cerevisiae* 1620.
- replication, direction, *Physarum polycephalum* replicon 5990.
- replication, *Drosophila* 1575.
- replication, during cell cycle, *Allium cepa* 507.
- replication, during meiosis, *Schizophyllum commune* 5076.
- replication, human amniotic fluid, time pattern 5993.
- replication, H1 virus, localization-infected SV40-transformed human kidney cell 1573.
- replication, in vivo, plasmid ColE1 3218.
- replication, UV-irradiation-treated herpes simplex virus 1, BSC-I cell 3571.
- replication, Kilham rat virus 5981.
- replication, mechanism, polyoma virus 3946.
- replication, nonpermissive temperature, plasmid Rts1 1569.
- replication, palindrome-primed, review 1246.
- replication, parvovirus LuIII, Brij-58 lysed NB cell 6002.
- replication, phage λ , nitrous acid-induced deletion 988.
- replication, phage λ , review 3697.
- replication, phage λ , role-gene (O)/gene (P) product 3965.
- replication, phage M13, electron microscopy 1570.
- replication, phage M13, role-DNA polymerase I-associated nuclease (exo) 1087.
- replication, phage PM2, localization-infected *Pseudomonas* membrane 4483.
- replication, phage P2, strand-specific breakage 3945.
- replication, phage T4, role-gene (dar) 5183, 5184.
- replication, phage T4-infected *Escherichia coli*, relationship-early RNA biosynthesis 5734.
- replication, phage 52HJD-infected *Staphylococcus aureus* 992.
- replication, phage ϕ X174, in vitro, uracil excision-repair, during 5101.
- replication, *Pisum sativum*, relationship-DNase activity during germination 3935, 4003.
- replication, protein biosynthesis requirement, vaccinia virus 4484.
- replication, *Proteus mirabilis* plasmid ROR12 3196.
- replication, R factor, regulation, *Escherichia coli* K12 5081.
- replication, regulation, role-gene(dnaA) production, *Escherichia coli* K12 2397.
- replication, relationship-histone biosynthesis, *vicia faba* embryo during germination 5080.
- replication, *Rhizobium trifolii* chromosome 986.

DNA,(continued)

- replication, SV40, effect of adenovirus (human) 2 6003.
- replication, SV40, Okazaki fragment biosynthesis during, asymmetry 1034.
- replication, SV40, Okazaki fragment growth direction, during 5980.
- replication, SV40, transformed hamster kidney cell, induction- γ -irradiation/mitomycin C 6019.
- replication, temperature-sensitive mouse L cell 1576.
- replication, *Tetrahymena pyriformis* macronucleus 5985.
- replication, vaccinia virus 996.
- replication, vaccinia virus, model 1571.
- replication, varicella zoster virus, inhibition-phosphonoacetic acid 1618.
- replication, *Zea mays* root cap 985.
- replication-associated pyrimidine nucleotide (deoxyribo) biosynthesis, inhibition-mitomycin C/proflavine, phage T4 990.
- replication complex, DNA polymerase properties, adenovirus (human) 2 994.
- replication complex, isolation/properties, adeno-associated virus 1 995.
- replication cycle, phage ϕ X174, electron microscopy 3162.
- replication cycle, termination, *Escherichia coli* 2742.
- replication fork, *Escherichia coli*, Okazaki fragment formation, effect of dUTP 2182.
- replication/function during synchronous growth, *Tetrahymena pyriformis* 2019.
- replication/gene transmission, *Chlamydomonas reinhardtii* chloroplast, effect of uridine (5-fluorodeoxy) 1850.
- replication initiation, *Drosophila melanogaster*, inhibition- α -amanitin 3954.
- replication initiation, role-gene (dnaA)/gene (dnaC), *Escherichia coli* K12 3189.
- replication intermediate, *Drosophila*, size determination 451.
- replication origin, phage fd, nucleotide sequence 2345.
- replication origin, plasmid ColE1, nucleotide-nucleotide (deoxyribo) linkage 3163.
- replication origin, polyoma virus, nucleotide sequence, comparison-SV40 2350.
- replication origin, *Proteus mirabilis* R factor composite plasmid 4988.
- replication origin containing SV40 variant, construction 3984.
- replication pattern, *Escherichia coli* PAT 84 3940.
- replication site, normal/SV40-transformed BALB/c 3T3 cell 1565.
- replication system, adenovirus (human) 2, characterization 2836.
- replication unit, Chinese hamster cell, enrichment/electron microscopy 6060.
- replicative form, coliphage M13, electron microscopy 1533.
- replicative form, phage G4, synthesis 2749.
- replicative form, phage G4, synthesis, origin 2714.
- replicative form, phage G4, 3'-terminal location 933.
- replicative intermediate, maturation, effect of cycloheximide, *Tetrahymena pyriformis* 4506.
- resistance-restriction endonuclease, role-gene 2 product, phage T4 2799.
- resolution-caesium trichloroacetate 3426.
- restriction endonuclease cleavage analysis, comparison-rabbitpox virus/cowpox virus/vaccinia virus/ectromelia virus/fowl pox virus 1535.
- restriction endonuclease EcoRI fragment, *Escherichia coli*, separation-electrophoresis 1490.
- restriction endonuclease EcoRI fragment analysis, *Bacillus cereus*, transcription during spore growth 5934.
- restriction endonuclease F factor fragment, containing, plasmid, construction/analysis 5177.
- restriction endonuclease fragment, globin gene sequence-containing, human, normal/thalassaemia 3184.
- restriction endonuclease fragment, joining-phage T4 DNA ligase 5287.
- restriction endonuclease fragment, molecular weight distribution, pigeon/*Escherichia coli* 952.
- restriction endonuclease fragment mapping, use-*Pseudomonas* BAL-31 DNase(exo) 4561.
- restriction endonuclease mapping, *Agrobacterium tumefaciens* plasmid pTi-B6-806 4982.
- restriction endonuclease mapping, review 1251.
- restriction endonuclease mapping, SV40 temperature-sensitive mutant recombination 1652.
- restriction endonuclease target site distribution, phage ϕ 29/ phage ϕ 15/phase M2/phase Nf 1528.
- restriction fragment, hybridization-phage T7 RNA polymerase product 1112.
- restriction fragment, transformation-*Escherichia coli* 2422.
- reversal-structure change following inhibition-UV-irradiation-induced repair 4409.
- reversible unfolding, model 4276.
- Rhizobium*, transformation-*Azotobacter vinelandii* nitrogen fixation-defective mutant 5186.
- Rhynchosciara americana* chromosome puff, coding-salivary gland secretion polypeptide 3992.
- RNA covalent linkage, identification-SV40 replicating DNA 2017.
- RNA hybrid, assay method 4804.
- RNA hybrid, stability-perchlorate/trichloroacetate solution 4275.
- RNA polymerase binding site, localization, electron microscopy 5237.
- rod like, transient electric dichroism 3143.
- role-Streptococcus pyogenes zonal resistance-lincocmycin 5156.
- Saccharomyces cerevisiae*, binding-xanthene/diazene/acridine 2316.
- Saccharomyces cerevisiae*, effect of TMP starvation 2550.
- Saccharomyces cerevisiae* chromosome, reiterated sequence 5055.
- Saccharomyces cerevisiae* plasmid, characterization 4985.
- Salmo gairdnerii*, protamine gene amplification 2362.
- Salmonella typhimurium*/*Escherichia coli*, damage-chloramphenicol 383.
- secondary structure, *Candida tropicalis*, effect of N-methyl-N'-nitrosoguanidine/N-methyl-N'-nitrosourea/N-ethyl-N'-nitrosourea 959.
- secondary structure, effect of base sequence 3510.
- secondary structure, effect of dimethyl sulphate 2317.
- secondary structure, effect of water 4423.
- sedimentation, computer programme 418.
- sedimentation pattern, determination 4414.
- sedimentation properties, HeLa cell, effect of lucanthone 914.
- segment, plasmid TOL, transposition/expression 6101.
- segment, translocating, terminal, role-plasmid structure evolution 5171.
- segregation, *Clostridium botulinum* spore, autoradiography/electron microscopy 3975.
- separation, use-electrophoresis 4383.
- separation chromatins, use-isopycnic centrifugation 2891.
- sequence, cytomegalovirus, detection-human colon adenocarcinoma 3974.
- sequence, detection-cytosine (5-methyl) 3706.
- sequence, Epstein-Barr virus, integrated, human lymphoma cell line 3536.
- sequence, *Escherichia coli* insertion sequence IS integration

DNA, (continued)

- site 3917.
sequence, human chromosome Y 3930.
sequence, inverted repetitive region, yeast plasmid 1526.
sequence, retrovirus, occurrence-*Saimiri sciureus* /*Mephitis mephitis* /*Spilogale putorius* 4930.
sequence, SV40 defective genome 5017.
sequence analysis, adenovirus (human) 2-SV40 hybrid 3534.
sequence analysis, computer programme 412, 413, 2700.
sequence analysis, method 2337.
sequence analysis, trypanosomiasis diagnosis, review 2920.
sequence analysis, use-codon-anticodon interaction 922.
sequence analysis, use-DNA polymerase I repair reaction pyrimidine oligonucleotide primer 3516.
sequence determination method 1519.
sequence distribution, relationship-genetic code 5397.
sequence homology, *Aneides* 5960.
sequence homology, phage $\lambda/\phi 80/\phi 81$ 2707.
sequence homology determination method 924.
sequence organization, *Achlya bisexualis* 2008.
sequence organization, *Gallus domesticus* genome 3180.
sequence organization, human chromosome Y 6283.
sequence organization, *Petroselinum sativum* 2736.
sequence organization, soybean 4469.
sequence recognition, protein, review 1249.
sequence-specific cleavage-neocarzinostatin/bleomycin 342.
single-stranded, A-form/B-form, helix geometry 1989.
single-stranded, antibody activity, *Schistosoma japonicum* - infected rabbit 593.
single stranded, chick embryo cell, characterization-transcription site 4458.
single-stranded, complex formation-adenovirus (human) 5 DNA-binding protein 5355.
single-stranded, cross-linking-phage M13 DNA-binding protein, *Escherichia coli* UV-irradiation 1223.
single-stranded, enrichment-virus-specific region, avian myeloblastosis virus-infected chicken cell 1555.
single-stranded, interaction-*Escherichia coli* protein (ω) 4659.
single-stranded, mycoplasma virus, electron microscopy 5933.
single-stranded, phage G4, synthesis 2715.
single-stranded, phage M13, UV-irradiation cross-linking-DNA-binding protein 2904.
single-stranded, phage M13, methylation, introduction-restriction endonuclease cleavage site 5906.
single-stranded, phage M13, transcription-*Escherichia coli* RNA polymerase, effect of *Escherichia coli* DNA-binding protein 1224.
single-stranded, removal-mouse, mechanism/kinetics 3849.
single-stranded breakage, acetoxyacetylaminofluorene/methyl methanesulphonate, human lymphoid cell, detection 395.
single-stranded breakage, analysis method 3881.
single-stranded breakage, Chinese hamster cell, dependence-radiation quality 1606.
single-stranded breakage, hypoxic mammalian cell, effect of misonidazole 5120.
single-stranded breakage, UV-irradiation-induced, *Escherichia coli*, DNA polymerase I-mediated repair 4576.
single-stranded breakage/repair, X-irradiation-induced, during cell cycle, HeLa cell 1598.
single-stranded/double-stranded, antibody, simultaneous assay 4598.
single-stranded fragment, review 632.
single-stranded phage, growth-*Escherichia coli* replication mutant 5999.
single-stranded-specific, endonuclease, KB cell, purification/characterization 2445.
site-specific, restriction endonuclease, *Staphylococcus aureus*, isolation/characterization 6154.
site-specific deletion, plasmid pSC105, effect of-ampicillin resistance element insertion 4530.
small circular, *Saccharomyces cerevisiae*, analysis 962.
soil, effect on *Hordeum vulgare* 3235.
solution, dielectric relaxation 4977.
solution, terbium ion fluorescence 787.
spacer, heterogeneity, nucleosome 2886.
specific sequence, detection, *Saccharomyces cerevisiae* 5951.
spermatozoa, interaction-nuclear protein, mechanisms 645.
spin label perturbation effect, assay-reverse transcriptase 6205.
spin-labelling, review 1237.
Spinacea oleracea, characterization 2367.
Spinacia oleracea chloroplast, rRNA gene mapping 5071.
spleen necrosis virus, integration site, infected chicken cell DNA 6111.
staining, acridine orange 1478.
Staphylococcus aureus plasmid, isolation 5831.
Stenodus, structure, comparison-Leucichthys/*Coregonus* /*Prosopium* / 5059.
strand breakage, induction-1,3-bis(2-chloroethyl)-1-nitrosourea, normal/transformed human cell 1981.
strand breakage, induction-hydroxyurea, during replication, mammalian cell culture 1517.
strand breakage, irradiated Chinese hamster cell, effect of oxygen concentration 1508.
strand breakage, irradiation-induced, eukaryote, review 1243.
strand polarity, during conjugation, *Escherichia coli* K12 4450.
Streptococcus, base composition 2355.
Streptococcus mutans plasmid, characterization 5887.
Streptomyces, isolation method 3498.
Streptomyces coelicolor, genome size, determination 4452.
structural integrity, radiosensitivity, *Escherichia coli*, relationship-DNA biosynthesis/protein biosynthesis 4504.
structure, cauliflower mosaic virus 5035.
structure, chromatin, Raman spectra 5883.
structure, *Drosophila melanogaster* 966.
structure, Epstein-Barr virus 940.
structure, lymphocyte, effect of γ -irradiation 2325.
structure, model 1524.
structure, review 1232.
structure, *Triticum*, effect of hardening/freezing 5975.
structure/function, history, book review 4096.
structure/function, review 4109.
structure/physical properties, comparison-Ehrlich ascites cell/mouse 457.
structure/properties, book review 2502.
subunit structure, adenovirus mRNA gene 943.
supercoiled, dissociation-nuclear protein, human cell 2485.
supercoiled, HeLa cell nucleoid 4468.
supercoiled, yeast chromosome, electron microscopy 620.
superhelical, *Escherichia coli*, relaxation-coumermycin 3543.
superhelical, HeLa cell nucleoid, binding-ethidium 3887.
superhelical, phage ϕ X174, effect of bleomycin 5849.
superhelical structure 417.
superhelix, conformation 3509.
superhelix density/unwinding angle, measurement 5880.
superstructure, chromatin 4081.
SV40, T-antigen carboxyl terminal coding region, nucleotide sequence 4445.
SV40, binding/transcription-*Escherichia coli* RNA polymerase 1705.
SV40, cleavage-*Thermus aquaticus* restriction endonuclease

DNA, (continued)

- Taq I 3910.
- SV40, closed circular/superhelical, interaction-histone H1 4612.
- SV40, complex-histone, characterization, use-4,5',8-trimethylpsoralen 5311.
- SV40, effect on *Xenopus laevis* oocyte extract 3593.
- SV40, interaction-DNA-unwinding protein 1797.
- SV40, modification-N-cyclohexyl N'- β -(4-methylmorpholinium) ethylca, effect on in vitro transcription 1984.
- SV40, nucleotide sequence 3535, 5029.
- SV40, oncogenicity-Syrian golden hamster 1055.
- SV40, properties, review 4664.
- SV40, restriction endonuclease EcoRII-F/EcoRII-H fragment, nucleotide sequence 5921.
- SV40, restriction endonuclease fragment Hind-F-Eco RI, nucleotide sequence 4444.
- SV40, restriction endonuclease Hind-G fragment, nucleotide sequence 4447.
- SV40, restriction endonuclease HinDII/HinDIII-G fragment, nucleotide sequence 5922.
- SV40, restriction fragment preparation, agarose gel electrophoresis 3126.
- SV40, superhelical density, effect of sodium deoxycholate extraction, CV1 cell 5019.
- SV40, T antigen related protein binding site 2347.
- SV40, transcription-BSC-1 cell 294.
- SV40, transcription-transformed 3T3 cell 841.
- SV40, transcription-translation, *Xenopus laevis* oocyte 1653.
- SV40 deletion mutant, physical properties/genetic analysis 2717.
- SV40 genome, structure 3915.
- SV40 variant, comparison 3167.
- synthesis, phage fd/phage ϕ X174 template, priming-oligonucleotide 1314.
- template, hydrolysis-phage T5 induced DNA polymerase, primer oligonucleotide-mediated inhibition 1667.
- 5'-terminal, occurrence-ribonucleotide, *Escherichia coli* polAex2 2724.
- 3'-terminal analysis, following γ -irradiation, thymocyte 1509.
- terminal redundant region, phage T7, role-phage production 2787.
- terminal sequence, *Oxytricha* macronucleus 2003.
- termination-replication cycle, *Bacillus subtilis*, temperature-sensitive mutant 2741.
- Tetrahymena pyriformis* macronucleus, characterization 5948.
- thermal denaturation, effect of copper ion 5881.
- thermal stability/renaturation kinetics, urea/formamide solution 420.
- Thermoactinomyces vulgaris*, incorporation-exogenous thymidine 1846.
- Thermus flavus*/*Thermus thermophilus*, isolation/characterization 4453.
- Thermus* genus, base composition 3171.
- thymidine incorporation, rat/mouse liver, inhibition-chloroquine/primaquine/ethidium 3575.
- tolerance-mouse, mechanism 1171.
- transcript, early, herpes simplex virus 1, mapping, electron microscopy 4281.
- transcription, BK virus, *Escherichia coli* RNA polymerase 3264.
- transcription, late, phage λ , depression-*Escherichia coli* minicell 849.
- transcription, *Lycopersicon* 5341.
- transcription, rat, effect of reassociation 281.
- transcription, regulation/transcript location, herpes simplex virus 1 833.
- transcription, *Trypanosoma cruzi*, effect of ellipticine (9-hydroxy) 1439.
- transcription/replication, localization, adenovirus (simian) 7 6050.
- transcription/replication, template activity, SV40, monkey cells 3462.
- transcription/translation, *Xenopus laevis* oocyte following injection 5383.
- transducing phage λ , restriction endonuclease EcoRI cleavage mapping 3522.
- transfer, effect of phage T7 superinfection-*Escherichia coli* 6077.
- transfer, *Escherichia coli* conjugation, limitation-colicin I specified protein 3232.
- transforming, *Bacillus subtilis*, photodynamic action-fluorescein 2414.
- transforming, degradation-*Haemophilus influenzae* endonuclease Hin 1669.
- transforming, nonintegrated, complex-*Bacillus subtilis* component 2054.
- transition temperature, effect of dimethylnitrosamine/diethylnitrosamine, rat liver 3665.
- transposon, characterization 6102.
- Triticum*, incorporation-cytosine (5-methyl) 2928.
- tritium-labelled, assay, filter-disc method 883.
- Trypanosoma brucei* kinetoplast, isolation/characterization 3499.
- turnover, *Hordeum vulgare* aleurone layer, effect of gibberellic acid 485, 515.
- turnover, measurement, tumour-bearing mouse, use-iodine-125-labelled uridine (deoxy) 494.
- unintegrated, Harvey murine sarcoma virus, helper independent transformation 3242.
- unintegrated, mammary tumour virus, production-infected rat hepatoma cell, effect of dexamethasone 6015.
- unwinding, induction-psoralen derivative photoaddition 4402.
- unwinding-phage M13 gene (V) protein, NMR 1792.
- uracil-containing, phage T4, biosynthesis/properties 2369.
- uracil-containing, *Escherichia coli*, excision-repair, role-dUTPase 3950.
- uridine (bromodeoxy)-substituted, production during branch migration, human lymphoid cell 3225.
- uridine (5-bromodeoxy)-tolerant tobacco tumour, incorporation-uridine (5-bromodeoxy) 4471.
- uridine(5-bromodeoxy)-substituted, *Escherichia coli* /rat myoblast, effect on β -galactosidase gene expression 2543.
- uridine(5-bromodeoxy)-substituted, interaction nonhistone protein 1194.
- use-chromatography (affinity), review 4106.
- vaccinia virus, repetitive nucleotide sequence 939.
- vaccinia virus, restriction endonuclease analysis 5018.
- vaccinia virus, topography 438.
- varicella zoster virus, analysis, use-restriction endonuclease cleavage 435.
- varicella zoster virus, characterization 434.
- vector, phage λ , construction/characterization 6106.
- Vibrio*, reassociation kinetics 446.
- Vicia faba*/*Vicia sativa*, reassociation kinetics 2014.
- wheat, methylated sequence content, effect of germination 5971.
- wheat germ, methylation/renaturation kinetics 5972.
- Xenopus laevis*, isolation-rRNA gene 4947.
- Xenopus laevis*, methylation pattern symmetry 3178.
- Xenopus laevis* oocyte rRNA 5S gene, isolation/characterization 968.

DNA,(continued)

Zea mays ovule, histochemical localization 1391.

5S, cloned, transcription-RNA 5S, *Xenopus laevis* oocyte 4538.

DNA-binding protein,

adenovirus (human) 5, complex formation-single-stranded DNA 5355.

adenovirus (human) 5, role-gene expression regulation 2500.

characterization, carcinogen-transformed mouse cell 4091.

characterization, psoriasis 2146.

characterization, vaccinia virus-infected mouse L cell 2142.

chromatography, xeroderma pigmentosum fibroblast 4655.

DNA polymerase α -associated, detection, regenerating rat liver 5358.

Escherichia coli, catalysis-DNA reassociation, polyamine-dependence 1795.

Escherichia coli, effect on phage M13 single-stranded DNA transcription-*Escherichia coli* RNA polymerase 1224.

Escherichia coli/phage fd, interaction-DNA, characterization 6308.

HU, *Escherichia coli*, amino acid sequence 4654.

UV-irradiation cross-linking-phage M13 single-stranded DNA 2904.

isolation/characterization, psoriasis 2145.

phage λ protein(cro), properties/structure 1222.

phage M13, cross-linking single-stranded DNA, *Escherichia coli* UV-irradiation 1223.

phosphorylation-protein kinase, adenovirus (human) 5 5354.

purification/characterization, *Escherichia coli* carrying plasmid λ dv 2143.

purification/characterization, rat spermatocyte 622.

P8, mammalian, identification-glyceraldehyde3-phosphate dehydrogenase 1796.

rat liver chromatin, characterization 5357.

synthesis, adenovirus (human) 12 2905.

vaccinia virus replication complex, characterization 6306.

vaccinia virus replication complex, isolation/characterization 2906.

DNA biosynthesis,

activated lymphocyte, measurement 5996.

activation, rat heart, following infarction 2776.

activity, human sideroblastic anaemia 4340.

adenovirus (human) 5, mechanism 2751.

adenovirus (human) 5 host range mutant, HeLa cell/KB cell 6010.

adrenocortical tumour cell, effect of serum/pituitary factor/ACTH 1583.

adult rat liver regeneration, stimulation-weanling rat liver extract, effect of light 3969.

Africa green monkey kidney cell, inhibition-aflatoxin B1 1601.

Agrostemma githago /*Vaccaria pyramidata*, effect of hydroxyurea 6074.

airborne *Serratia marcescens* 975.

Alytes obstetricans, effect of thyroxine treatment 3202.

Anthonomus grandis, inhibition-dimilin 2398.

Aspergillus nidulans conidium, effect of temperature 2046.

assay, evaluation, bovine lymphocyte 4214.

assay, human fibroblast cell culture 467.

association-cell shape, cell culture 3943.

association-mutation frequency, SV40 475.

association-polyamine content during cytokinin-induced

Cucumis sativus growth 4314.

autoradiography, human 4479.

avian retrovirus, role-5'-terminal repetitive RNA 5093.

Bacillus popilliae, during growth 2370.

Bacillus subtilis, detergent treated 5128.

Bacillus subtilis, initiation/regulation, review 4682.

Bacillus subtilis, relationship-glucose starvation 5130.

Bacillus subtilis temperature-sensitive mutant 2371.

bacteria, Cooper-Helmstetter theory 3939.

bacteria, effect of nitrofurantoin, review 4108.

BALB/c 3T3 cell, transition, plasma dependence 4519.

BHK cell/HEP cell, effect of chromic chloride/potassium dichromate 3224.

BHK-21 cell, effect of potassium dichromate 2053.

Blaberus, effect of inokosterone moulting hormone/mitomycin C 5096.

bone marrow, effect of polycythaemia erythrocytic inhibitor 5145.

breast carcinoma, effect of uracil(<5->fluoro)/uridine(<5->fluoro-<2'->deoxy) 303.

Caenorhabditis elegans mutant 3942.

calf thymus, inhibition-captan 6065.

Calliphora vicina, effect of ecdysterone/methoprene 4485.

Capsicum annum seedling, effect of γ -irradiation 1616.

Caulobacter crescentus, regulation-initiation/elongation 4851.

cell culture, control 5997.

cell culture, effect of carcinogen, electron microscopy 1600.

CELOvirus, chick embryo fibroblast, cell cycle dependence 5091.

characterization, in vitro, HeLa cell 2746.

chick embryo, association-histone H5 6056.

chick embryo fibroblast, effect of adriamycin 3579.

chick embryo fibroblast, effect of bisulphite 5151.

chick embryo fibroblast, effect of magnesium ion 491.

chick lymphocyte, induction-mitogen, effect of interferon 5135.

Chinese hamster cell, inhibition-methyl methanesulphonate 6033.

Chironomus thummi, association-nuclear membrane 2744.

Chlamydomonas reinhardtii, inhibition-histone 3220.

CHO cell, effect of X-irradiation 6040.

chondrocyte, stimulation-oscillating electric field 4522.

chromosome XO, human lymphocyte 2402.

circadian rhythm, rat thymus gland/liver/spleen/myocardium 464.

Clostridium saccharoperbutylacetonicum, inhibition-clostridin O 5104, 5106.

complementary-vitellogenin mRNA, 3'-terminal/internal initiation site, *Xenopus* 4846.

complex, association-adenovirus (human) 2 early protein 1578.

complex, isolation-human sperm 2020.

cytomegalovirus, association-protein biosynthesis 5596.

cytomegalovirus (murine), infected non-permissive mouse fibroblast 1001.

cytomegalovirus-infected 3T3 cell 6001.

defect, anaemia (megaloblastic), review 10.

defective, adenovirus (human) 3, HeLa cell 3947.

detection during S phase, use-tritiated thymidine, cell culture 3565.

determination, mouse pinna skin epidermis/sebaceous gland 465.

duration, *Chrysanthemum segetum* shoot apex, determination 3944.

during arginine deprivation, KB cell 1634.

during cardiogenesis, sinoatrial node/atrioventricular node, mouse heart 466.

during differentiation, rat cardiac, DNA polymerase α association-nuclear membrane 5992.

during differentiation, sperm cell 1625.

during myocardium development, mouse/rat 4477.

DNA biosynthesis,(continued)

- during *Owenia fusiformis* development 5077.
 during *Polytrichum* chloroplast replication, effect of light 1454.
 during rat cerebellum development, effect of hypothyroidism 1004.
 during reepithelization, rat epithelium, measurement 5137.
 during *Saccharomyces cerevisiae* cell cycle 979.
 during spore outgrowth, *Clostridium botulinum* 3967.
 effect of, phytohaemagglutinin stimulation during amino acid starvation, human lymphocyte 1349.
 effect of age, rat Purkinje cell 1041.
 effect of aurintricarboxylic acid fractionation component 3217.
 effect of bis(thiosemicarbazonato)-copper(II) complex, Ehrlich ascites tumour cell 2408.
 effect of carcinogen 6046.
 effect of cerulenin, *Streptococcus faecalis* 3951.
 effect of chronic Mason-Pfizer monkey virus infection, monkey cell culture 6005.
 effect of complete darkness, rat visual centre 1044.
 effect of coumarin derivatives, Ehrlich ascites carcinoma 864.
 effect of croton oil + benzo(a)pyrene, mouse epidermis 2392.
 effect of trans-cyclopropylbis(diketopiperazine) 5119.
 effect of cytosine (<5->fluoro), *Candida albicans* / *Cryptococcus neoformans* / *Aspergillus fumigatus* 479.
 effect of daunorubicin(4-demethoxy)/adriamycin(4-demethoxy) derivative, relationship-cytotoxicity, HeLa cell 1613.
 effect of intermittent high altitude hypoxia, rat ventricular myocardium 499.
 effect of lymphocyte-activating factor, phytohaemagglutinin-stimulated lymphocyte 1010.
 effect of mitomycin C, cell culture 3961.
 effect of N-nitroso compound, rat oesophagus epithelium 2778.
 effect of nuclear protein ADP-ribosylation, chick embryo/chicken liver 4508.
 effect of nucleoside (deoxyribo), phage T4-infected cell 4147.
 effect of paraquat/diquat, rat lung 1623.
 effect of partial hepatectomy, rat lymphoid cell 1624.
 effect of phorbol derivatives, mouse fibroblast 1050.
 effect of prednisolone, human lymph node 1946.
 effect of progesterone/oestrogen, pregnancy-dependent mouse mammary tumour 480.
 effect of radioactivity, chronic rheumatism, human 2760.
 effect of renotropic factor, rat kidney 481.
 effect of starvation, *Tetrahymena pyriformis* 2045.
 effect of 12-O-tetradecanoylphorbol-13-acetate/12-Ohexadecanoylphorbol-13-acetate/dexamethasone/fluocinolone acetate, mouse skin 2777.
 effect of thromboxane B2/<6->ketoprostaglandin F1a, fibroblast 482.
 effect of thyrocalcitonin/hypoxia, regenerating skin 1617.
 effect of vinyl chloride/chloroethylene oxide/chloroacetaldehyde, rat 500.
 Ehrlich ascites carcinoma, inhibition-2,5-diamino-1,4-naphthoquinone imine 1514.
 Ehrlich ascites cell 4481.
 Ehrlich ascites cell, effect of Ehrlich ascites cell extract 1032.
 Ehrlich ascites cell, effect of freezing 1615.
 Ehrlich ascites cell, effect of X-irradiation 2542.
 Ehrlich ascites cell isolated nucleus, effect of ATP analogue 1636.
 Epstein-Barr virus-infected human lymphocyte, effect of phosphonoacetic acid 3200.
 error-free, *Escherichia coli* DNA polymerase I 3628.
 error-free, role-DNA-enzyme interaction 3936.
 erythroleukaemia, comparison-pernicious/sideroblastic anaemia 5144.
Escherichia coli, effect of polyamine deficiency 4505.
Escherichia coli, effect of quinoxin/quinoxaline-di-N-oxide 5102.
Escherichia coli, protein-independent mutant 4476.
Escherichia coli, rate, regulation 2018.
Escherichia coli B, during low growth rate 2767.
Escherichia coli B/r, effect of nitrofurantoin 5129.
Escherichia coli mutant 5984.
Escherichia coli temperature-sensitive mutant(dnaZ), effect of temperature 2396.
Euglena gracilis chloroplast 3563.
 extracellular, following release-*Rana esculata* auricle 463.
 fidelity, effect of metal mutagen/carcinogen 2023.
 fidelity, effect of poly d(A-T) depurination, avian myeloblastosis virus DNA polymerase 1722.
 fidelity, role-base-pair replacement 2740.
 following γ irradiation, effect of paracetamol, *Escherichia coli* 1013.
 frog sartorius muscle, during regeneration 3221.
Gallus domesticus wing muscle, during hypertrophy 3389.
Gerris najas nurse cell, during development 4507.
Glycine max embryo during germination, effect of rapid ageing 3227.
 granulopoiesis, human leukocyte 4515.
Haemophilus influenzae / *Escherichia coli*, inhibition-haemocin 3583.
 hamster kidney cell, effect of city smog extract in vitro 6061.
 hamster lung, effect of nitrogen dioxide 497.
 HeLa cell, effect of TTP (2',3'-dideoxy) 4164.
 HeLa cell, inhibition-X-irradiation, effect of caffeine 2039.
Helianthus annuus, rate/replicon properties 3194.
Helianthus tuberosus, effect of thermal shock 3591.
 hepatoma cell culture, effect of pyruvate 495.
 herpes simplex virus, antiviral agent evaluation 6052.
 herpes simplex virus, BSC-1 cell, effect of hydroxyurea block 1012.
 herpes simplex virus 1, cell-free system 1577.
 herpes simplex virus 1, effect of temperature-sensitive cell cycle mutant, BHK-21 cell 1619.
 herpes simplex virus 1, infected HeLa cell chromatin 3570.
 herpes simplex virus 1, infected XC cell 6009.
 herpes simplex virus 1, inhibition-adenine arabinoside 5483.
 herpes simplex virus 1-infected BHK cell, RNase (endo)/RNase (exo) activity 5216.
 high-molecular weight, permeabilized L cell 469.
Homalozoon vermiculare 5986.
 human B/T-lymphocyte, stimulation-*Staphylococcus aureus* protein A 5148.
 human bone marrow, effect of phenytoin 6067.
 human bone marrow cell, stimulation-NAD 4516.
 human diploid cell culture 468.
 human embryo lung cell, induction-cytomegalovirus 472.
 human fibroblast, stimulation-thrombin 4517.
 human fibroblast, stimulation-thrombin/trypsin/plasmin 503.
 human lymphocyte, effect of auranofin 2781.
 human lymphocyte, effect of phage infection 5086.
 human lymphocyte herpes simplex virus 1 infection 6012.
 human/mammalian cell culture, relationship-replication fork movement 2071.
 human mammary gland tissue explant, effect of oestradiol/progesterone 3203.
 human melanocyte, effect of vitiligo therapy 5146.
 human tuberculosis lymph node 2374.
 in vitro, adenovirus (human) 2 275.

DNA biosynthesis,(continued)

- in vitro, adenovirus (human) 5 1579.
 in vitro, effect of brain histone 2875.
 in vitro, herpes simplex virus 1, product structure/
 degradation 1668.
 in vitro, polyoma virus, DNA chain asymmetry 1572.
 induction-herpes simplex virus, B lymphocyte, mouse 2750.
 infected cell, effect of heat-inactivated murine
 cytomegalovirus 6004.
 inhibition, mechanism, mengovirus 476.
 inhibition-amethopterin, *Bacillus brevis* 1035.
 inhibition-anthracycline 4953.
 inhibition-anti-idiotypic antibody, myeloma 3590.
 inhibition- α_1 -antitrypsin, human lymphocyte 5147.
 inhibition-clostridin O, *Clostridium*
saccharoperbutylacetonicum 2766.
 inhibition-corticosterone, effect of progesterone, liver
 hepatoma 1008.
 inhibition-cycloheximide, mechanism, BALB/3T3 cell 489.
 inhibition-dimethylnitrosamine, regenerating rat liver 488.
 inhibition-Ehrlich ascites cell synthesis inhibition factor,
 stimulated lymphocyte 2754.
 inhibition-hydroxyurea/uridine (5-fluorodeoxy), effect on S-
 phase duration, Chinese hamster cell 6032.
 inhibition-immune lymphocyte, mixed lymphocyte culture
 504.
 inhibition-lepeptin/antipain, mouse uterus 1446.
 inhibition-methylglyoxal bis(guanyldiazotone)/ α -
 methylornithine, lymphocyte 1046.
 inhibition-rat peritoneal macrophage 5142.
 inhibition-renal factor, rabbit kidney 1005.
 inhibition-ribavirin, chick embryo fibroblast 6068.
 inhibition-ribavirin, eukaryote cell 3963.
 inhibition-12-O-tetradecanoyl-phorbol-13-acetate during
 mixed lymphocyte response 2406.
 inhibition-trasylol, mouse lymphocyte 1626.
 inhibitor, production-human T-lymphocyte 3587.
 initiation, inhibition-colchicine, regenerating rat liver
 hepatocyte/WI-38 cell/C3H cell 1632.
 initiation, regenerating rat liver, inhibition-colchicine 6062.
 initiation site, Rous sarcoma virus RNA, nucleotide sequence
 2618.
 UV-irradiation-induced, distribution-CHO cell metaphase
 chromosome 2021.
 UV-irradiation treated phage ϕ X174, native/UV-irradiation
 treated *Escherichia coli* 2755.
 isolated Ehrlich ascites cell nucleus, effect of ATP, DNA
 characterization 1635.
 KB cell, effect of arginine deprivation 1633.
 kinetics, avian sarcoma virus-infected quail tumour cell 3569.
 kinetics, human lymphocyte, effect of phytohaemagglutinin
 stimulation 3588.
 kinetics, leukaemia blast cell 845.
 kinetics, rat lung, during high-altitude hypoxia 1621.
 leukaemia cell, effect of methotrexate interaction-
 dihydrofolate reductase 2785.
 Leydig cell, diethylstilbestrol-stimulated mouse testis 2773.
Lucilia cuprina, during metamorphosis 3564.
 lymphocyte, effect of cryopreservation 6071.
 lymphocyte, effect of human mononuclear phagocyte 1630.
 lymphocyte, induction-fibroblast/leucocyte interferon,
 human 2401.
 lymphocyte, phytohaemagglutinin-induced, effect of L-
 cysteine hydrochloride 2403.
 lymphocyte, phytohaemagglutinin-treated, effect of trypsin/
 cation 4520.
 lymphocyte, regulation-adherent cell 1049.
 lymphocyte, regulation-concanavalin A-activated suppressor
 cell 2405.
 mammalian epidermis, effect of bleomycin 3212.
 measurement, use-thymidine metabolism 2372.
 mitogen-stimulated lymphocyte, comparison-adult/neonate,
 human 3970.
 mouse, effect of tumour-induced suppressor cell 5153.
 mouse, induction-isoproterenol, effect of age 2775.
 mouse adrenal gland tumour cell, effect of ACTH/AMP (8-
 bromocyclic) 1582.
 mouse ascites sarcoma cell, inhibition-aurintricarboxylic acid
 in vitro 1721.
 mouse bladder, effect of dibutyl nitrosamine 4493.
 mouse bladder epithelium, effect of dibutyl nitrosamine 2769.
 mouse bladder epithelium, effect of propylene glycol 5141.
 mouse bone marrow, effect of cytidine arabinoside 4513.
 mouse egg, during development 1627.
 mouse embryo, effect of hydroxyurea 6069.
 mouse epidermis, inhibition-clobetasone butyrate/clobetasol
 butyrate/clobetasol propionate 5097.
 mouse epidermis, inhibition-coal tar + UV-irradiation 3956.
 mouse leukaemia, effect of cannabinoid derivative 2784.
 mouse liver/spleen, effect of 1,10-phenanthroline 6057.
 mouse lung carcinoma, effect of cannabinoid 3226.
 mouse lung cell, during compensatory growth following
 pneumonectomy 2779.
 mouse B-lymphocyte, initiation-lipopolysaccharide, kinetics
 5152.
 mouse lymphoma cell, effect of nutrient depletion 1637.
 mouse L929 cell nucleus, role-DNA polymerase β 4578.
 mouse skin, 1-decanol-induced epidermal hyperplasia 5140.
 mouse spleen, effect of prostaglandin 4492.
 mouse spleen cell, stimulation-herpes simplex virus 3949.
 mouse submandibular salivary gland, effect of isoproterenol
 5138.
 mouse thymocyte 983.
 mouse thymus/spleen/liver/small intestine, effect of
 hydrocortisone hemisuccinate 1003.
 mouse uterus, effect of oil 6058.
 mouse uterus, following stimulation-decidua cell reaction
 4511.
 murine leukaemia virus, inhibition-poly(I) 160.
 mutant, *Bacillus subtilis*, effect on UV-irradiation mutability
 6023.
Mycoplasma gallisepticum, cell division cytochalasin B 2765.
Nicotiana tabacum explant 987.
 oncornavirus, in vitro 5982.
 oncornavirus, inhibition-poly (C) 5557.
 organ culture, effect of wound healing reaction 1629.
Paramecium tetraurelia, effect of excess DNA 6053.
 permeable CHO cell 3566.
 phage α 3, *Escherichia coli* replication mutant 2748.
 phage λ , requirement-*Escherichia coli* gene (dnaJ)/gene
 (dnaK) 6000.
 phage ϕ LL55-infected *Lactobacillus lactis* 3568.
 phage ϕ X174, in vitro, dependence-replicative form DNA
 462.
 phage ϕ X174, role-*Escherichia coli* gene(dnaB) protein 989.
 phage ϕ X174, role-gene (dnaB protein 5087.
 phage ϕ X174 DNA substrate, effect of UV-irradiation-
 induced mutagenesis 6018.
 phage SPO1 gene (31) temperature-sensitive mutant 6048.
 phage T4 recombination-deficient mutant 991.
 phage 2C, *Bacillus subtilis* 2378.
 phytohaemagglutinin-induced, mouse thymocyte/T-
 lymphocyte, effect of polymorphonuclear leukocyte protease
 5149.

DNA biosynthesis,(continued)

- phytohaemagglutinin-stimulated lymphocyte, effect of human serum, schizoporenia 502.
- phytohaemagglutinin-stimulated lymphocyte, effect of L-cysteine hydrochloride 2404.
- pituitary gland intermediate lobe immunoreactive cell culture 1009.
- plant, book review 629.
- plasmid pSC101, gene(dnaA) requirement 2016.
- plasmid pXlr 11, *Xenopus laevis* egg enzyme system 3201.
- plasmid R6K, in vitro 5124.
- plasminogen activator-stimulated, 3T3 cell, relationship-cell morphology 3971.
- Platymonas striata*, during cell division 3941.
- polyoma virus, effect of uridine (5-bromo-2'-deoxy) 3948.
- polyoma virus, inhibition-cytidine (2'-deoxy-2'-azido) 1294.
- polyoma virus, Okazaki fragment, initiation-DNA primase 4593.
- potato tissue culture, role-kinetin 70.
- premeiotic, *Lilium longiflorum* euchromatin/heterochromatin 471.
- quail ovary, during follicle formation 5134.
- Rana pipiens*, development 5991.
- rat, effect of magnesium deficiency 2399.
- rat, following irradiation, effect of exogenous DNA 512.
- rat brain, during development 3190.
- rat brain, effect of thyroid deficiency during development 6064.
- rat brain during development, effect of hydrocortisone/ACTH/aldosterone/thyroxine 5098.
- rat cerebellum, during development, effect of thyroidectomy 1002.
- rat colon epithelial cell 5078.
- rat granulation tissue, inhibition-dermal extract 5136.
- rat kidney/liver, effect of chlorphentermine/phentermine 2050.
- rat liver, effect of dimethylbenz(a)anthracene/diethylnitrosamine 2389.
- rat liver, effect of polyamine synthesis inhibitor 3222.
- rat liver, effect of protein diet following starvation 1622.
- rat liver chromatin 5079.
- rat macrophage, induction-inflammatory exudate, effect of dexamethasone 6059.
- rat mammary gland epithelium, normal/neoplastic, effect of hormone 1031.
- rat/mouse/guinea pig, effect of X-irradiation 3210.
- rat myocardium/skeletal muscle, effect of dipyrindamole 2772.
- rat palate epithelium, effect of hypophysectomy 1628.
- rat pancreas 2373.
- rat pancreas, effect of bovine pancreatic polypeptide 1006.
- rat pancreas, effect of fasting/refeeding 2049.
- rat pituitary gland, effect of haloperidol/bromocriptine/diethylstilboestrol 6016.
- rat prostate gland/seminal vesicle, effect of 4-nitro-3-trifluoromethylisobutyranilide 1427.
- rat skin, hexadecane-induced, association-AMP (cyclic) 4509.
- rat spleen/liver, effect of γ -irradiation 1595.
- rat testis, stimulation-*Panax ginseng* root extract 5139.
- rat uterus, stimulation-oestrogen 6017.
- rat ventral prostate, effect of age 2400.
- rate, determination, synchronized cell culture 2747.
- rate, human Werner syndrome 1024.
- rate/duration, *Zea mays* 5998.
- Rauscher leukaemia virus, infected mouse embryo fibroblast, effect of hydroxyurea 6051.
- regenerating rat liver, effect of methyl methanesulphonate/dimethylnitrosamine 5116.
- regulation, human leukaemia lymphocyte 3223.
- regulation-dinucleoside polyphosphate, CHO cell 2189.
- regulation-thymus factor, lymphocyte 1007.
- relationship-cell proliferation, during graft-versus-host/host-versus-graft reaction, rat 2047.
- relationship-DNA structural integrity/radiosensitivity, *Escherichia coli* 4504.
- relationship-genetic code/protein evolution 2739.
- relationship-late gene expression, phage T4 1067.
- relationship-nucleotide (deoxyribo), review 4107.
- relationship-ornithine decarboxylase activity, regenerating rat liver 2048.
- removal-associated RNA, phage T7 814.
- reovirus-infected L929 cell 6006.
- replicative form, defective, H1 virus, temperature-sensitive mutant 2060.
- replicative/unscheduled, effect of heparin 1631.
- requirement, Epstein-Barr virus, transformation-human lymphocyte 999.
- reversibly permeable BHK cell 6072.
- Rhizopus stolonifer* / *Botryodiplodia theobromae*, during spore germination 3823.
- rice coleoptile, effect of anoxia 505.
- role-parametric self-excitation 418.
- Saccharomyces cerevisiae*, depressed mutant 5192.
- Saccharomyces cerevisiae*, inhibition-8-hydroxyquinoline during meiosis 5133.
- Saccharomyces cerevisiae*, initiation-RNA polymerase I 6177.
- Saccharomyces cerevisiae* cell cycle 5989.
- Saccharomyces cerevisiae* sphaeroplast 978.
- single-stranded, phage ϕ X174, effect of chloramphenicol/rifampicin 2384.
- Sorex araneus* cell culture, S phase 5995.
- spontaneous/phytohaemagglutinin induced, lymphoid cell, comparison-adult/infant 2780.
- Staphylococcus aureus*, temperature-sensitive mutant 5189.
- stimulation-angiotensin, bovine adrenocortical cell 2382.
- stimulation-calcium phosphate, 3T3 cell 5150.
- stimulation-colicidine/colcemid/vinblastine, mechanism, chick cell culture 1028.
- stimulation-cytochalasin B, proliferative epidermis/dermis cell 4512.
- stimulation-*Panax ginseng* extract, rat bone marrow 2771.
- stimulation-phage T4, temperature-sensitive *Escherichia coli* mutant 496.
- stimulation-phytohaemagglutinin, leukaemia cell 2409.
- stimulation-polyamine, *Aspergillus nidulans* 3585.
- stimulation-polyamine, inhibition-1,3-diaminopropane, regenerating rat liver 1042.
- stimulation-proinsulin, chick embryo fibroblast 1580.
- stimulation-spleen promotor cell, antigen-primed lymphoid cell, rabbit 1039.
- Streptomyces granaticolor*, during spore germination 976.
- Strongylocentrotus purpuratus* egg, effect of pH 1037.
- temperature-sensitive L cell mutant, assay 5994.
- temperature sensitivity, mouse germ cell 4510.
- termination, adenovirus (human) 2 3231.
- Tetrahymena*, effect of cycloheximide 4776.
- transformed hamster cell, regulation-SV40 gene (A) product 6014.
- transplanted foreign nucleus, *Rana nigromaculata* egg 6055.
- 3T3 cell, control-platelet-derived growth factor 4518.
- 3T3 cell, inhibition-cytidine (3'-deoxy) 4712.
- 3T3 cell, initiation, association-epidermal growth factor/calcium ion 6073.
- 3T3 cell, role-phosphate during growth 2782.

DNA biosynthesis,(continued)

unscheduled, induction-carcinogen, hepatocyte culture, collagen membrane 6044.
 unscheduled, induction-carcinogen, human skin epithelium 6037.
 unscheduled, UV-irradiation-induced, xeroderma pigmentosum fibroblast 1051.
 Vero cell, effect of rinderpest virus infection 3464.
Vicia, characterization 2022.
 vitamin E-depleted lymphosarcoma depleted, effect of X-irradiation 2043.
 wheat embryo, effect of hydration/dehydration 5154.
 Yaba virus, host cell nucleus 474.
 yeast, sporulation 5075.
Zea mays, effect of lindane 1638.
 12-O-tetradecanoyl-phorbol-13-acetate-induced, effect of flucinolone acetone, mouse epidermis 1038.

DNA gyrase,

activity, role-*Escherichia coli* gene (nalA) 2858.
Escherichia coli, subunit purification 4590.
Micrococcus luteus, mechanism, model 6222.
 relationship-*Escherichia coli* gene (nalA) product 2857.

DNA ligase,

activity, phage T4, effect of ATP analogue 5286.
 affinity-nucleotide/nucleotide (deoxyribo), chick embryo 2115.
 chick embryo, purification/characterization 2476.
 phage T4, joining-DNA restriction endonuclease fragment 5287.

DNA methylase,

activity, *Escherichia coli* /phage DDVI, effect of S-adenosyl/S-uridylyl/S-cytidylyl/S-inosyl homocysteine 5288.
 activity, normal/regenerating rat liver 5289.
 activity, Rous sarcoma virus-associated 4592.
 adenine-specific, sequence specificity, phage T2 3276.
Escherichia coli, fractionation/specificity 566.
Escherichia coli B/K12, isolation/comparison 3277.
Escherichia coli K12, site specificity/properties 4039.
 purification/characterization, *Bacillus subtilis* 1741.
 purification/characterization, *Escherichia coli* 1742.
 regenerating rat liver, purification/characterization 4591.

DNA methylase EcoRI,

overmethylation-DNA 4503.

DNA N-glycosidase,

aerosolized *Escherichia coli*, induction-ozone/cyclohexene 1985.
 assay, *Escherichia coli* K12 mutant 6224.
 human, activity-normal/repair-deficient fibroblast 2475.
Micrococcus luteus, purification/characterization 6223.
 requirement, repair-methyl methanesulphonate alkylated phage PM2 DNA 1011.

DNA nicking-closing enzyme,

purification/characterization, *Bacillus megaterium* 3637.
 salmon testis, characterization 3278.

DNA photoreactivating enzyme,

Escherichia coli B/r, effect of uv-irradiation 3279.
 reaction-diketene 2859.
 review 4111.

DNA polymerase,

activity, cellular localization, *Xenopus laevis* oocyte/embryo 1133.
 activity, chick oviduct, concentration progesterone 1716.
 activity, during development, *Paracentrotus lividus* mitochondria 565.

activity, effect of age, potato tuber slice 564.
 activity, hepatitis B core antigen-associated 6192.
 activity, *Hordeum* seed, effect of age 6191.
 activity, mouse ascites sarcoma cell, inhibition-aurointricarboxylic acid in vitro 1721.
 activity, myotube culture 4021.
 activity, normal/inflammatory liver disease, hepatitis B surface antigen carrier 5290.
 activity, parvovirus (bovine)-infected spleen cell 5256.
 activity, pig aorta nucleus, effect of heparin/lysine-rich histone removal 4020.
 activity, potato tuber slice 574.
 activity, rabbit endometrium 5268.
 activity, rat bone marrow/spleen, effect of irradiation/exogenous DNA 1715.
 activity, *Streptococcus pneumoniae* DNA-membrane fraction, stimulation-glycolipid 6194.
 activity during cell cycle, review 3693.
 adenovirus (human) 2 DNA replication complex, properties 994.
 avian myeloblastosis virus, fidelity-DNA biosynthesis, effect of poly d(A-T) depurination 1722.
 bacterial, inhibitor, review 2504.
 characterization, *Physarum polycephalum* 2845.
Chlamydomonas reinhardtii, characterization 3268.
Chlamydomonas reinhardtii, purification/characterization 3267.
Cylindrotheca fusiformis, distribution/exonuclease activity 1132.
Cylindrotheca fusiformis, purification/characterization 1131.
 Dane particle, activation-potassium chloride/Nonidet P-40 4022.
Drosophila melanogaster, poly (A)/poly (dA) replication 6190.
 effect on cell reproduction, during viral leukaemogenesis 1718.
 eukaryote, review 5398.
 gene, identification, herpes simplex virus 2463.
 hepatitis virus B, inhibition-intercalating agent 2464.
 herpes simplex virus-induced, purification/properties 2835.
 herpes simplex virus 1 phosphonoacetic acid-resistant mutant, characterization 2465.
 identification, during chick embryo muscle cell differentiation 566.
 induction-mitomycin C, rat fibroblast 3266.
 inhibition-chromomycin/olivomycin/bleomycin, review 3322.
 inhibition-distamycin A/netropsin, review 3318.
 inhibition-1,10-phenanthroline-copper ion complex 4567.
 interaction-dCMP hydroxymethylase, phage T4 1714.
 invertebrate eukaryote, properties, review 4105.
 isolation-mouse myeloma, use-heparin 6193.
 mammalian, inhibitor, review 2512.
 mammalian, review 3687.
 Mason-Pfizer monkey virus/avian myeloblastosis virus/mammary tumour virus/Rauscher leukaemia virus, interaction-alkyl-agarose matrix 2837.
 mouse, effect of tumour-induced suppressor cell 5153.
 oncornavirus, detection, HEp-2 cell 3913, 4437.
 oncornavirus, inhibitor, review 1234.
Petunia hybrida, transcription-bacterial DNA 1723.
 phage PBS2/phage T4/*Bacillus subtilis*, inhibition-dextran sulphate DNA contamination 5258.
 phage T4, biological properties, effect of amino acid substitution 1717.
 phage T5-induced, dead-end complex characterization 1720.
 phage T5-induced, primer template replication 1719.
 phage T5-induced, template DNA hydrolysis, primer

DNA polymerase, (continued)

oligonucleotide-mediated inhibition 1667.
 phage T7, DNA product, characterization 5008.
 rat heart, activity during postnatal development 3269.
 sensitivity-phosphonoacetate, temperature-sensitive herpes simplex virus mutant 1130.
 simian sarcoma virus/human leukaemia lymphoblast, inhibition-tilorone analogue 4023.
 stimulation-phage T7 gene (4) protein 5359.
DNA polymerase (RNA-dependent), see **Reverse transcriptase**.
DNA polymerase α ,
 activity, human fibroblast, DNA repair disease 5260.
 activity, inhibition β -lapachone 4579.
 activity, mouse neuroblastoma cell during differentiation 4028.
 activity, rabbit spleen cell, effect of concanavalin A stimulation 4026.
 activity, *Wincia rosea* /*Nicotiana tabacum* crown gall tumour/*Agrobacterium tumefaciens* 2466.
 activity during cardiac muscle differentiation, rat 2838.
 associated DNA binding protein, detection, regenerating rat liver 5358.
 association-nuclear membrane, rat cardiac muscle 5992.
 calf thymus, purification/characterization 2840.
 detection/characterization, eukaryote cell nucleus 1726.
 eukaryote, inhibition-phosphonoacetate/phosphonoformate 5263.
 heterogeneity 4027.
 inhibition-ATP arabinoside/CTP arabinoside, kinetics 1137.
 inhibition-melanin precursors 5262.
 inhibition-5-amino-1-formylisoquinoline thiosemicarbazone-copper ion/ferrous ion combination 1136.
 interaction-DNA-binding protein 647.
 localization, polyoma virus-infected mouse kidney cell 568.
 localization *Hemicentrotus pulcherrimus* egg 1725.
 mouse myeloma, inhibition-TTP arabinoside/CTP arabinoside 6201.
 mouse myeloma, polynucleotide recognition 569.
 purification/characterization, human KB cell 3630.
 purification/characterization, human spleen 2846.
 regenerating rat liver, characterization 2839.
 replicating SV40 nucleoprotein complex-associated, characterization 4577.
 role-SV40 DNA replication 538.
 separation-adenovirus (human) 12 T-antigen 5257.
 separation-DNA polymerase β , method 6200.
DNA polymerase β ,
 activity, absence, *Amoeba discoides* 3272.
 activity, human fibroblast, DNA repair disease 5260.
 activity, mouse neuroblastoma cell during differentiation 4028.
 activity, rabbit spleen cell, effect of concanavalin A stimulation 4026.
 combination-copper ion/ferrous ion, inhibition-DNA polymerase β /DNA polymerase α /RNA polymerase II/RNA polymerase III 1136.
 detection/characterization, eukaryote cell nucleus 1726.
Hemicentrotus pulcherrimus embryo, characterization 3271.
 human, in vitro activity, effect of manganese ion 2099.
 inhibition-ATP arabinoside/CTP arabinoside, kinetics 1137.
 inhibition-5-amino-1-formylisoquinoline thiosemicarbazone-copper ion/ferrous ion combination 1136.
 localization-*Hemicentrotus pulcherrimus* egg 1725.
 mouse ascites cell, association-nucleosome 4029.
 purification/characterization, human spleen 2846.
 role-DNA biosynthesis, mouse L929 cell nucleus 4578.
 role-human KB cell mitochondrial DNA elongation 1727.

separation-DNA polymerase α , method 6200.

DNA polymerase γ

activity, human fibroblast, DNA repair disease 5260.
 activity, rabbit spleen cell, effect of concanavalin A stimulation 4026.
 inhibition-ATP arabinoside/CTP arabinoside, kinetics 1137.
 localization, rat liver 5266.
 mitochondrial, mouse EMT-6 cell, inhibition-intercalating drug 5261.
 occurrence-human platelet 3627.
 purification/characterization, chick embryo nucleus/mitochondria 5264.
 purification/characterization, human spleen 2846.
 rat brain nucleus, comparison-synaptosomal mitochondria 5265.
DNA polymerase I,
 activity, effect of 9-aminoacridine/quinacrine/proflavine/daunomycin 1724.
 associated-nuclease (exo), role phage M13 DNA replication 1087.
Escherichia coli, effect of caffeine 6188.
Escherichia coli, error-free DNA biosynthesis 3628.
Escherichia coli, inhibition-aminoquinone derivative 2824.
Escherichia coli, methylated adenine incorporation-polynucleotide, rate/frequency 5558.
Escherichia coli, processivity 5259.
Escherichia coli, exonuclease (3'-5') activity, inhibition-nucleoside monophosphate 4024.
 mediated repair, UV-irradiation-induced single-stranded breakage, *Escherichia coli* DNA 4576.
Proteus mirabilis, purification/characterization 6195.
 repair reaction, pyrimidine oligonucleotide primer, use-DNA sequence analysis 3516.
 role-alkylation-induced DNA repair, *Escherichia coli* K12 3270.
 role-*Escherichia coli* <UV>-irradiation recovery 567.
 role-UV-irradiation induced DNA excision-repair, toluene-treated *Escherichia coli* 6196.
 role-UV-irradiation induced DNA repair synthesis, toluene-treated *Escherichia coli* 6197.
 yeast, chemical properties, comparison-DNA polymerase II 4575.

DNA polymerase II

Escherichia coli, substrate specificity 4025.
 yeast, chemical properties, comparison-DNA polymerase I 4575.

DNA polymerase III

content during growth, *Bacillus subtilis* 1134.
Escherichia coli, purification/subunit characterization 6198.
Escherichia coli, substrate specificity 4025.
 role-DNA repair, following UV-irradiation/ γ -irradiation, *Escherichia coli* 6199.

DNA primase

initiation-Okazaki fragment, polyoma virus DNA biosynthesis 4593.

DNA-unwinding protein

attachment-3'-terminal nicked DNA 2909.
 characterization, mouse Ehrlich ascites cell 1798.
 Ehrlich ascites cell, mouse, characterization 1798.
Escherichia coli, ATPase activity, characterization 1226.
Escherichia coli, unwinding activity, characterization 1227.
 interaction-SV40 DNA 1797.
Lilium, characterization 4656.
Micrococcus luteus, purification/characterization 1793.
 phage T4, interaction-DNA/poly d(A-T) 3681.
 phage T4, interaction-poly (dA)/poly (dT)/poly d(A-T)/poly

DNA-unwinding protein,(continued)

d(A-T), circular dichroism 3680.
 rat liver, interaction-SV40 nucleoprotein complex 3646.
 rat liver, purification/characterization 6310.
 renaturation-complementary single-stranded circular DNA 2499.
Saccharomyces cerevisiae, purification/characterization 6309.
DNase,
 see also **Endonuclease, Exonuclease, Nuclease**
 activity, *Escherichia coli* colicin E2, trypsin cleavage 6161.
 activity, *Pisum sativum*, relationship-DNA replication during germination 3935, 4003.
 activity, rat parotid, effect of metal ion 4004.
 activity, use-*Staphylococcus* identification 5228.
 activity/properties, *Dendrophthoe falcata* seed, during development 1089.
Aspergillus niger, effect of γ -irradiation 6135.
Bacillus subtilis, purification/characterization 6151.
 bacterial, inhibition-pig intestinal tract substance 2443.
Cancer pagurus/*Helix aspersa*, effect on rat liver chromatin, comparison-*Escherichia coli* endonuclease I 2444.
 cellular, inhibition, induction-adenovirus (human) 5, infected KB cell 4005.
 cowpox virus/vaccinia virus, assay 3258.
 degradation-chick embryo chromatin 1199.
 effect on rat embryo 1105.
 electrophoresis, vertebrate spleen/leukocyte 1104.
 gene (recBC), role-phage ϕ 80 prophage induction, *Escherichia coli* 5229.
 high-molecular weight, *Bacillus subtilis*, properties 4559.
 human urine, purification/properties 2815.
 interaction-ligand, binding constant determination 6150.
 intracellular, activity during growth/cell division, *Bacillus subtilis* 4002.
 isolation/characterization, malt 1103.
 manganese-stimulated, production during *Bacillus subtilis* sporulation 4007.
Polistes gallicus, characterization 3257.
Staphylococcus aureus, antibody, detection method 3644.
Turbocornutus, isolation/properties 3614.
DNase (acid),
 activity, mouse interfollicular epidermis, effect of croton oil 1691.
DNase (alkaline),
 activity, effect of irradiation, rat thymocyte 3259.
 activity, herpes simplex virus 2 temperature-sensitive mutant infected BHK cell 4006.
DNase (ATP-dependent),
 sea urchin embryo, DNA relaxing activity 3260.
DNase (endo),
Moraxella bovis, purification/characterization 549.
DNase (exo),
 processivity 5236.
Pseudomonas BAL-31, use-DNA restriction endonuclease fragment mapping 4561.
DNase I,
 activity, bovine pancreas, effect of daunomycin/adriamycin 2446.
 assay, filter-disc method 883.
 assay, use-methyl green 2086.
 bovine, effect on *Bacillus subtilis* transformation, mouse abdomen 1106.
 bovine parotid gland, purification/characterization 1694.
 degradation-DNA, effect of sodium butyrate treatment,

HeLa cell 6238.
 digestion, duck erythrocyte chromatin, nonhistone protein release 1191.
 digestion-hyperacetylated histone-associated DNA 5200.
 digestion-mouse chromosome 5346.
 effect on chromatin DNA 2816.
 human pancreas, purification/characterization 2447.
 inhibition-human erythrocyte actin 2817.
 nucleus degradation, lymphocyte, normal/chronic lymphatic leukaemia cattle 5230.
 purification, chromatography (affinity) 2448.
 sensitivity-hyperacetylated histone-containing chromatin region 5326.
Ustilago maydis, recognition-DNA mismatched base pair 6153.
DNase II,
 activity, human serum, psoriasis 5231.
 activity, leukocyte, effect of irradiation 5215.
Dog,
 nucleotide pyrophosphatase/phosphodiesterase I, organ distribution/characterization 1 i 60.
 pancreas, amylase mRNA, isolation/translation *in vitro* 1962.
L-Dopa,
 binding-*Escherichia coli* /mouse liver tRNA Tyr 4744.
Doxorubicin,
 binding-DNA, analysis method 5875.
Drosophila,
 chromosome, centromeric/histone region, recombination frequency 3248.
 chromosome analysis, use-histone H4/histone H3/histone H4-histone H3 complex antiserum 6295.
Drosophila,
 chromosome puff, interband transcription 1221.
 DNA replication 1575.
 DNA replication intermediate size determination 451.
 poly(A)-containing RNA, *in vitro* translation, heat-shock protein synthesis 3001.
 ribosome biosynthesis 211.
 rRNA, processing/methylation 4898.
 RNA 4S/RNA 5S/poly(A)-containing RNA biosynthesis rate, effect of RNA metabolism genetic modulation 855.
 rRNA biosynthesis rate, effect of RNA metabolism genetic modulation 854.
Drosophila hydei,
 chromosome, DNA distribution/organisation 5352.
 DNA/RNA, size/distribution-poly (A) sequence 1551.
 heterochromatin, repetitive DNA, characterization 5332, 5334.
 heterochromatin, repetitive DNA, characterization 5333.
 locus 2-48BC, hybridization-nuclear/cytoplasmic RNA 2266.
Drosophila melanogaster,
 cell lysate, high-molecular weight DNA, sedimentation properties 1553.
 chromatin, transcription complex, electron microscopy 3677.
 chromatin structure 6265.
 chromosome, interband transcription 6285.
 chromosome, localization-histone ?mRNA sequence 616.
 chromosome/heterochromatin, structure 1783.
 chromosome X. RNA biosynthesis site 2637.
 chromosome 4, characterization 1785.
 cytoplasmic poly(A)-containing cytoplasmic/RNA (heterogeneous nuclear), 5'-terminal structure 3817.
 DNA, irradiation, damage/repair 5109.
 DNA, repeated genes, heat shock locus 400.
 DNA, structure 966.

- Drosophila melanogaster*,**
 DNA polymerase, poly (A)/poly (dA) replication 6190.
 DNA replication initiation, inhibition- α -amanitin 3954.
Drosophila simulans hybrid, rRNA cistron, nucleolus dominance 1663.
 embryo, blastoderm, chromatin replication, electron microscopy 1202.
 embryo/oocyte, distribution/characterization-cytoplasmic poly (A)-containing RNA 1458.
 gene (Dm225), properties 5060.
 heterochromatin, role-satellite DNA function 2888.
 histone mRNA, analysis, use-electrophoresis 2610.
 localization tRNA Glu gene 3928.
 mitochondrial DNA, structure/replication 965.
 nucleoside Q-containing tRNA Asp, purification/nucleoside composition 4750.
 polytene chromosome, hybridization-rRNA 1409.
 polytene chromosome, localization-RNA polymerase B/histone H1 1712.
 polytene chromosome puff, relationship-RNA metabolism 279.
 psoralen cross linked rRNA, structure, electron microscopy 3449.
 ribosomal insertion, occurrence-homologous DNA 356.
 mRNA analysis 5369.
 mRNA biosynthesis, induction-heat shock 5759.
 rRNA gene, structure, comparison-chromosome X/chromosome Y 5958.
 tRNA Glu, isolation/characterization 5570.
 RNA 5S precursor, structure/processing 2629.
 rRNA gene, relationship-position-effect variegation 1664.
 rRNA gene, disproportionate replication 3249.
 rRNA gene, transcription-RNA polymerase in vitro 5243.
 salivary gland, RNA biosynthesis, stimulation ecdysone, assay 296.
 satellite DNA, analysis, use-restriction endonuclease MboII 1552.
 satellite DNA, underreplication/localization 1485.
 sperm nucleus, DNA distribution 5812.
 testis, rRNA gene excess during gene amplification 1080.
 transcription, heat shock locus 820.
 transcription-heat shock specific RNA 3478.
 transcriptionally inactive chromatin, lack-RNA polymerase B 1711.
 vermilion locus activation, role-tRNA Tyr 5579.
***Drosophila nasutoides*,**
 satellite, chromatin structure 1774.
 satellite DNA first-neighbour frequency, circular dichroism 3548.
***Drosophila simulans*,**
Drosophila melanogaster hybrid, rRNA cistron, nucleolus dominance 1663.
***Drosophila virilis*,**
 chromosome, late replication region, repetitive sequence content 1786.
 salivary gland, RNA biosynthesis, control-ecdysone 297.
 salivary gland, RNA biosynthesis, control-ecdysone 299.
 satellite DNA, relationship-phosphorylated histone H1 2883.
Drug,
 see also **specific compounds**
 interaction-DNA 903.
Duck,
 erythrocyte, globin <?m>RNA sequence characterization 267.
 erythrocyte chromatin, nonhistone protein release, during DNase I digestion 1191.
***Dunaliella*,**
 nitrate reductase activity, effect of purine (6-methyl) 3726.
Ecdysone,
 control-RNA biosynthesis, *Drosophila virilis* salivary gland 297, 299.
 stimulation-RNA biosynthesis, *Drosophila melanogaster* salivary gland, assay 296.
Ecdysterone,
 effect on DNA/RNA/protein biosynthesis, *Calliphora vicina* 4485.
Echinomycin,
 complex-DNA, circular dichroism 5847.
***Echinostelium minutum*,**
 nuclear DNA content 5132.
Ectromelia virus,
 DNA, restriction endonuclease cleavage analysis, comparison-rabbitpox virus/cowpox virus/vaccinia virus/fowl pox virus 1535.
EDTA,
 binding-RNase, NMR 2807.
 concentration, effect on chromatin-ethidium bromide binding, fluorescence 4643.
Eggplant mosaic virus,
 detection-coat protein mRNA 5654.
 RNA, comparison-turnip yellow mosaic virus/Andean potato latent virus 5692.
 RNA replication, *Datura* leaves 2646.
 tRNA, separation-RNA 5559.
Ehrlich ascites carcinoma,
 DNA, binding-bleomycin cobalt chelate 1969.
 DNA biosynthesis, inhibition-2,5-diamino-1,4-naphthoquinone imine 1514.
 DNA-protein complex, effect of uridine (5'-hydroxymethyldeoxy) 4641.
 mengovirus-infected, RNA replicase activity 3626.
 nucleosome DNA, histone sequence 1184.
 RNA biosynthesis, effect of oxidative phosphorylation block 1436.
 RNA biosynthesis/DNA biosynthesis/protein biosynthesis, effect of coumarin derivatives 864.
Ehrlich ascites cell,
 rRNA methylation, effect of histidine starvation 317.

Ehrlich ascites cell,(continued)

chromatin structure, comparison-SV40/*Escherichia coli* 6275.

DNA, binding-methylated albumin, comparison-replicating/non-replicating/denatured 4390.

DNA, structure/physical properties, comparison-mouse 457.

DNA biosynthesis, effect of bis(thiosemicarbazono)-copper(II) complex 2408.

DNA biosynthesis/repair, effect of freezing 1615.

DNA biosynthesis/thymidine transport kinetics, effect of X-irradiation 2542.

DNA complex-adriamycin/daunomycin/actinomycin D, cytostatic activity 3598.

double-stranded precursor mRNA, characterization 3451.

double-stranded precursor mRNA, hybridization-globin mRNA 3452.

elongation factor EF-1, binding-ribosome protein biosynthesis 779.

extract, effect on Ehrlich ascites cell DNA biosynthesis 1032.

histone H1, heterogeneity, effect of mengovirus infection 5305.

initiation-dependent protein biosynthesis, inhibition-ADP 1857.

interferon-treated, endonuclease activity 2076.

interferon-treated, RNase (endo)/nuclease activator purification 6142.

isolated nucleus, DNA biosynthesis, effect of ATP analogue 1636.

isolated nucleus, DNA biosynthesis, effect of ATP, DNA characterization 1635.

isolated nucleus, RNA analysis 4847.

lysate, RNA polymerase II activity 5254.

membrane, DNA-protein complex, characterization 6316.

mengovirus-infected, fate-histone mRNA 3485.

mengovirus-infected, poly(A)-containing mRNA, coding capacity 2304.

mengovirus-infected, ribosome, localization-poly (A)-containing mRNA 4262.

mengovirus-infected, selective mengovirus RNA translation 3465.

mengovirus infected/uninfected, cell-free system, RNA translation 4922.

mengovirus infection, ribosomal protein S6 phosphorylation 4248.

mouse, characterization-DNA-unwinding protein 1798.

poly (A) polymerase/poly (U) polymerase, association-cytoplasmic ribosome 3366.

protein biosynthesis, inhibition-wheat germ protein 194.

pyrimidine (fluoro)-induced antagonism-methotrexate 1830.

repair kinetics-irradiation (ionizing)-induced DNA single-stranded breakage 1608.

ribosomal protein mRNA, characterization 4305.

ribosome, poly (A) polymerase/poly (U) polymerase activity 2982.

RNA, complement inhibition 1464.

mRNA, stability/translation, cell-free system 1472.

RNA biosynthesis, inhibition-inosine dialdehyde derivative, INOX 2538.

RNA biosynthesis/ATP level, effect of nucleotide(cyclic) 865.

RNA/DNA/protein biosynthesis 4481.

(RNA Phe, base composition, comparison-Novikoff hepatoma/normal mouse/rat liver 2994.

RNA polymerase I, purification/properties 1119.

RNA polymerase II, stimulation factor, determination-initiation complex formation 1122.

synthesis inhibition factor, inhibition-stimulated lymphocyte DNA biosynthesis 2754.

***Eimeria tenella*,**

induced, coccidiosis, chick liver, relationship-RNA biosynthesis/protein biosynthesis 5763.

Electron microscopy,

adenovirus (human) 2 psoralen-cross-linked, DNA 5020.

amino acid effect on ribosome/protein biosynthesis, rat hippocampus 3016.

characterization-phase Mu deletion mutant DNA 934.

Chinese hamster cell chromosome structure, role-DNA/protein 6291.

chromatin, nucleosome frequency, relationship-transcriptional activity, *Xenopus laevis* /*Triturus alpestris* /*Triturus cristatus* 4065.

chromatin integrity 3666.

chromatin replication, blastoderm, *Drosophila melanogaster* embryo 1202.

chromatin structure 4077.

coliphage M13 replicative form DNA 1533.

condensed/dispersed chromatin 6271.

DNA biosynthesis/RNA biosynthesis, cell culture, effect of carcinogen 1600.

DNA compaction, mechanism 2336.

DNA complex-histone H3 + histone H4/histone H2A + histone H2B 4615.

DNA organization, phage T4 head 5912.

DNA-protein interaction 379.

DNA segregation, *Clostridium botulinum* spore 3975.

Drosophila melanogaster, chromatin, transcription complex 3677.

Escherichia coli chromosome sequence arrangement 1784.

Escherichia coli ribosomal subunit 50S, methodology 195.

herpes simplex virus DNA palindrome sequence 5031.

human metaphase chromosome 1790.

Lacerta sicula ribosome, packing 205.

Larix europaea ribonucleoprotein 6237.

localization-RNA polymerase binding site, DNA 5237.

mapping-herpes simplex virus 1 early DNA transcript 4281.

mapping/quantitation-adenovirus (human) 2 early RNA 804.

mapping-*Xenopus laevis* mitochondria DNA RNA 4S genes 401.

mycoplasma virus single-stranded DNA 5933.

native/reconstituted calf thymus/SV40 chromatin 4639.

non-operator DNA, complex-*Escherichia coli* repressor (lac) 1801.

nucleosome structure 6279.

phage λ DNA length, dependence-dehydration 3161.

phage λ DNA packaging 5896.

phage λ DNA RNA polymerase binding sites, mapping 376.

phage λ mutant, DNA length 426.

phage ϕ X174 DNA replication cycle 3162.

phage fd DNA, mapping-*Escherichia coli* RNA polymerase binding site 430.

phage M13 DNA replication 1570.

phage PM2 DNA, intercalation-ethidium bromide/ethidium dimer/acridine dimer 3526.

phage T7 DNA ribosome binding site 5011.

plasmid RP1/RP4/RP8 DNA 4428.

plasmid R100-1 replication 425.

Podospira anserina mitochondrial DNA 5953.

polynucleotide, use-osmium tetroxide 1861.

psoralen cross-linked *Drosophila melanogaster* rRNA 3449.

rat liver ribosomal subunit 40S structure 5621.

ribosome structure, comparison-*Artemia salina* /*Escherichia coli* 4234.

ribosome structure/size, *Escherichia coli* 197.

tRNA gene, use-ferritin-avidin:biotin label 3490.

RNA 16S, *Escherichia coli* ribosomal protein S4/ribosomal

Electron microscopy,(continued)

- protein S8 binding site 3053.
- Saccharomyces cerevisiae* mutant (petite) recombinant mitochondrial DNA, organization 961.
- SV40 late mRNA, structure 3800.
- visualization-*Amoeba proteus* transcriptionally active gene 3921.
- visualization-rRNA biosynthesis, RNase III-deficient strain, *Escherichia coli* 816.
- yeast chromosome supercoiled DNA 620.

Electrophoresis,

- agarose gel, SV40 DNA restriction fragment preparation 3126.
- labelled oligonucleotide, use-RNA fingerprinting 1397.
- polyacrylamide gel, use-RNA separation/purification 4263.
- purification DNA fragment 5829.
- purification-*Escherichia coli* rRNA/plant virus RNA 5663.
- separation-*Escherichia coli* DNA restriction endonuclease EcoRI fragment 1490.
- separation-purine (thio) derivative 4695.
- sodium dodecyl sulphate-polyacrylamide gel, use-nuclease detection 525.
- use-DNA separation 4383.
- use-RNA molecular weight determination 245.

Ellipticine,

- inhibition-RNA methylation, Novikoff ascites hepatoma 1434.

Ellipticine (hydroxy),

- effect on DNA transcription, *Trypanosoma cruzi* 1439.

Elongation factor,

- activity, effect of cholesterol esterase 3422.
- Artemia salina*, purification/properties 4251.
- ribosome/initiation factor, isolation, use heparin 3008.

Elongation factor EF-1,

- binding-ribosome during protein biosynthesis, Ehrlich ascites cell 779.

- pig liver, subunit interaction 4253.

- role-tRNA (aminoacyl)-ribosome 70S/ribosome 80S binding 1378.

- subunit, purification/properties, *Bombyx mori* 1382.

Elongation factor EF-1 α ,

- pig liver, purification/characterization 2239.

Elongation factor EF-1 β ,

- purification/properties, pig liver 226.

Elongation factor EF-1 β y,

- eukaryote, subunit separation/properties 1383.

Elongation factor EF-2,

- purification/characterization, hen oviduct 224.

- role-translocation, pig liver 1915.

Elongation factor G,

- Escherichia coli*, biosynthesis, association-elongation factor Tu/elongation factor Ts/ribosomal protein S1 3413.

- Escherichia coli*, identification/characterization 3412.

- Escherichia coli*, localization-GTP binding site 3416.

- Escherichia coli*, localization-GTP binding center 3414.

- Escherichia coli*, primary structure 3417.

- Escherichia coli*, purification 5647.

- GDP + ribosome complex, decay 1374.

- GDP + ribosome complex, turnover, effect of cation/antibiotic 1375.

- GTPase activity, regulation, effect of pH/cation/polyamine 5645.

- induction-ribosome translocation 222.

- interaction-guanine nucleotide 2230.

- reaction, effect of nucleoside <5'->phosphazide 131.

Elongation factor Ts,

- Escherichia coli*, biosynthesis, association-elongation factor Tu/elongation factor G/ribosomal protein S1 3413.

- Escherichia coli*, guanyl cyclase activity 1380.

- Escherichia coli*, identification/characterization 3412.

- Escherichia coli*, purification 5647.

- Escherichia coli*, purification-chromatography (affinity) 223.

Elongation factor Tu,

- complex-GDP, *Escherichia coli*, X-ray diffraction 217.

- complex-GTP/(tRNA(aminoacyl)), equilibrium study,

- Escherichia coli* 776.

- Escherichia coli*, binding-kirromycin 5646.

- Escherichia coli*, biosynthesis, association-elongation factor Ts/elongation factor G/ribosomal protein S1 3413.

- Escherichia coli*, characterization 3786.

- Escherichia coli*, complex-tRNA (lysyl) analogue 5643.

- Escherichia coli*, complex-yeast tRNA(phenylalanyl), RNase T1-digested, isolation/characterization 170.

- Escherichia coli*, gene tufA/tufB product, characterization 2236.

- Escherichia coli*, interaction-yeast tRNA Phe, effect of 3'-terminal spin-labelling 5577.

- Escherichia coli*, purification 5647.

- Escherichia coli*, purification-chromatography (affinity) 223.

- Escherichia coli*, role-GTPase activity 6213.

- Escherichia coli*, specificity-complex formation-tRNA 1381.

- Escherichia coli*, X-ray diffraction 777, 2599, 3418.

- Escherichia coli* mutant, characterization 2235.

- in vitro synthesis, *Escherichia coli* mRNA 2589.
- kirromycin-resistant, *Escherichia coli* gene (tuf) mutant 2234.

- reaction, effect of nucleoside <5'->phosphazide 131.
- role-tRNA (aminoacyl)-ribosome 70S/ribosome 80S binding 1378.

- separation, *Escherichia coli*, chromatography 3415.

- structure, comparison-*Escherichia coli* /*Thermus thermophilus* HB8 1913.

Embryo,

- cell culture, differentiation, inhibition-nucleoside(deoxyribo) 116.

- mouse, effect of tritiated thymidine 5509.

- rat, RNA biosynthesis/protein biosynthesis, effect of prostaglandin F_{2a} 2288.

- RNA/DNA metabolism, review 4110.

Encephalomyocarditis virus,

- induced, inhibition-host protein biosynthesis 4914.

- infection, mouse, effect of poly C (5'-hydroxy)/poly (I) 2975.

- infection, mouse, poly(I)/poly(C) antiviral activity, size dependence 712.

- polypeptide G, RNA-binding properties 6307.

- replication, stimulation-poliovirus, primate cell line 998.

- RNA, in vitro translation system 3387.

- RNA, secondary structure 2616.

- RNA, 3'-terminal nucleotide sequence 3433, 5678.

- RNA, translation, cell-free system 4363.

- RNA half-life during translation, effect of poly (A) 4732.

- RNA replication, localization-restriction, infected cell 293.

- RNA sequence adjacent-3'-terminal poly(A) 801.

- RNA translation, reticulocyte cell-free system 4771.

- RNA 35S-associated protein, isolation/characterization 2147.

Endonuclease,

- Neurospora*, purification/characterization 6131.

Endonuclease,

- see also DNase, RNase, Nuclease, Restriction endonuclease activity, DNA-specific, characterization, *Crotalus adamanteus* phosphodiesterase 2431.

- activity, interferon-treated Ehrlich ascites cell 2076.

Endonuclease,(continued)

- apurinic site-specific, activity, comparison-normal/Bloom's syndrome/ataxia telangiectasia fibroblast 1030.
- apurinic-site specific, activity, repair-deficient human cell line 4548.
- apurinic-site specific, *Bacillus stearothermophilus*, purification/properties 6130.
- apurinic-site specific, breakage-*Escherichia coli* DNA 1690.
- apurinic-site specific, isolation, *Hordeum vulgare* embryo 1692.
- apurinic-site specific, isolation/characterization, *Hordeum vulgare* 5204.
- apurinic site-specific, *Micrococcus luteus*, purification/characterization 6223.
- apurinic site-specific, requirement, repair-methyl methanesulphonate alkylated phage PM2 DNA 1011.
- apurinic-site specific, xeroderma pigmentosum fibroblast, characterization 5203.
- Brevibacterium albidum*, purification/characterization 1102.
- Cae I, *Cercopithecus aethiops*, characterization, site-specific DNA cleavage 5202.
- chromatin digestion, organ specificity 2800.
- EcoRI, activity optimization 5233.
- Escherichia coli*, isolation/characterization, rRNA 16S processing 490.
- Hin, *Haemophilus influenzae*, degradation-transforming DNA 1669.
- Hin, *Haemophilus influenzae*, purification 1697.
- KpnI, *Klebsiella pneumoniae*, isolation/purification, mapping-phage λ /SV40 DNA 3995.
- Micrococcus luteus*, action mechanism 3612.
- Micrococcus luteus*, purification/characterization 3611.
- Micrococcus luteus*, role-DNA repair, UV-irradiation 3613.
- Physarum polycephalum*, purification/characterization 1672.
- Pseudomonas*, probe DNA carcinogen/mutagen-induced lesion 2430.
- repair, activity, reconstitution-gene (uvrA⁺)/gene (uvrB⁺)/gene (uvrC⁺) product, *Escherichia coli* 4560.
- role-DNA binding/uptake, *Streptococcus pneumoniae* 1645.
- Saccharomyces cerevisiae*, isolation/characterization 5206.
- Secale cereale*, purification/characterization 4549.
- single-stranded DNA-specific, KB cell, purification/characterization 2445.
- site-specific, purification/characterization, *Xanthomonas badrii* 1693.
- solubilization-rat liver chromatin 4080.
- Streptomyces albus* G, purification/characterization 4547.
- Tetrahymena pyriformis*, properties 2429.
- Xanthomonas holcicola* /*Xanthomonas papavericola* /*Brevibacterium luteum*, purification/characterization 4546.
- Endonuclease I**, role-DNA degradation, *Proteus mirabilis* 1085.
- Endonuclease S1**, fractionation-phage T7 DNA 523.
- Endonuclease V**, phage T4, effect on photoproduct-containing DNA 2432.
- phage T4, stimulation-DNA repair, uv-irradiation-treated human cell 6132.
- Endonuclease VI**, *Escherichia coli*, action mechanism 2442.
- Endoplasmic reticulum**, association-Balbani ring RNA 75S, *Chironomus tentans* salivary gland 5782.
- binding-ribosome/polyribosome, rat liver 3783.
- binding-vesicular stomatitis virus glycoprotein mRNA, dissociation-puromycin, CHO cell 876.

- Endothia parasitica*, occurrence-double-stranded RNA 782.
- Entamoeba histolytica*, DNA content 5810.
- Entamoeba invadens*, DNA content 5810.
- Entamoeba moshkovskii*, DNA content 5810.
- Enterobacter cloacae*, plasmid Clo DF13, replication 2922.
- plasmid pIE098 DNA, characterization 2703.
- restriction endonuclease, isolation/characterization 2087.
- Enterobacteriaceae**, plasmid, characterization 4998.
- Enzootic bovine leucosis**, mammalian tissue, bovine leukaemia virus provirus DNA distribution 5806.
- Ependymoma**, nuclear DNA content, cytophotometry 362.
- Ephestia kuehniella*, chromosome transcription activity sequence 6300.
- heterochromatin, structure/replication/transcription 4062.
- Epidermal growth factor**, association-DNA biosynthesis initiation, 3T3 cell 6073.
- secretion, mouse submandibular gland, stimulation-cytidine (cyclo) 1844.
- Epidermis**, cell, proliferative, DNA biosynthesis, stimulation-cytochalasin B 4512.
- guinea pig, distribution-nuclear DNA/nuclear RNA, during keratinization 513.
- human, ribonuclease, characterization 2804.
- mammalian, DNA biosynthesis, effect of bleomycin 3212.
- mouse, DNA biosynthesis, effect of croton oil + benzo(a)pyrene 2392.
- mouse, DNA biosynthesis, inhibition-clobetasone butyrate/clobetasol butyrate/clobetasol propionate 5097.
- mouse, DNA synthesis, inhibition-coal tar + UV-irradiation 3956.
- Episome**, expression, *Saccharomyces cerevisiae*, RNA-DNA hybridization study 1076.
- Epithelium**, cell, pemphigus vulgaris, uptake-tritium-labelled thymidine 121.
- mouse bladder, DNA biosynthesis, effect of propylene glycol 5141.
- mouse bladder, DNA biosynthesis/cell proliferation, effect of dibutyl nitrosamine 2769.
- rat, DNA biosynthesis during reepithelization, measurement 5137.
- rat, liver, nucleoside triphosphatase activity during malignant transformation 6220.
- Epstein-Barr virus**, DNA, association-nasopharyngeal carcinoma 885.
- DNA, characterization, Burkitt's lymphoma cell line 5016.
- DNA, characterization, lymphoblastoid cell 345.
- DNA, cleavage-restriction endonuclease 4446.
- DNA, restriction endonuclease cleavage fragment analysis 5919.
- DNA, structure 940.
- DNA sequence, integrated, human lymphoma cell line 3536.
- genome, persistence-human lymphoblastoid cell line 6116.
- genome, transcription-Burkitt's lymphoma epithelial cell hybrid 1421.
- infected human lymphocyte, DNA biosynthesis, effect of phosphonoacetic acid 3200.

Epstein-Barr virus.(continued)

infected lymphocyte, effect of adenine arabinoside 5480.
nuclear antigen, histochemistry 2866.
superinfected Raji cell, protein biosynthesis 4772.
transformation-human B lymphocyte, inhibition-phosphonoacetic acid 6008.
transforming/non-transforming, DNA mapping 4443.
transformation-human lymphocyte, DNA biosynthesis requirement 999.

Equine infectious anaemia virus,

provirus DNA, detection-infected horse cell 4929.
RNA, characterization 255.

Equisetum arvense,

spermatozoa, nucleus, DNA, localization 5821.

Erythroblast,

chicken, globin mRNA precursor, characterization 3818.

Erythrocyte,

chicken, chromatin subunit dimer, hydrodynamic properties 621.

chicken, high mobility group nonhistone protein,

characterization 3661.

chicken, histone core complex, characterization 3657.

chicken, histone H5 phosphorylation site 4611.

duck, chromatin, nonhistone protein release, during DNase I digestion 1191.

duck, globin m RNA sequence characterization 267.

fish, histone H5, determination 2489.

goose, nucleosome structure, effect of thermal denaturation 6277.

human, adenosine deaminase product inhibition, relationship-immune defect 5284.

human, complement-coated, stimulation-RNA biosynthesis, lymphocyte 2295.

human, purification/properties- 5'- nucleotidase 580.

human, purine nucleoside phosphorylase, physical properties 2108.

human, purine nucleoside phosphorylase, purification/characterization 4585.

kidney, adenosine deaminase, purification/quaternary structure 2856.

Erythroid cell,

determination-DNA content 4380.

Erythroleukaemia,

cell, globin gene conformation 5069.

cell, histone acetylation, effect of n-butyrate 1762.

cell, mouse, α -globin/ β -globin 'm' RNA

accumulation, effect of dimethylsulphoxide/butyric acid/hexamethylene bisacetamide/haemin 333.

cell, mouse, actinomycin D interaction-DNA, induction-differentiation 5840.

cell, mouse, DNA, effect of dimethyl sulphoxide 3933.

cell, mouse, Friend leukaemia virus-transformed, cell-free system, translation, effect of interferon 5605.

DNA biosynthesis, comparison-pernicious/sideroblastic anaemia 5144.

Erythromycin,

binding-ribosome, association-ribosomal protein L16/ribosomal protein L15, *Escherichia coli* 2593.

resistance, *Streptomyces erythreus*, relationship-rRNA 23S methylation 4840.

Escherichia coli,

acetoaldehyde acid synthase isoenzyme biosynthesis, regulation, role-tRNA (valyl) 4755.

adenine/hypoxanthine/uracil transport 2156.

adenine phosphoribosyltransferase activity, effect of purine(2,6-diamino)/*Escherichia coli* 1165.

adenosine (2-methylthio-N⁶:(Δ^2 -isopentenyl)-containing M+RNA, effect of iron 2198.

adenovirus (human) 2 DNA fragment, excision/recombination 6115.

adeturone radioprotection, mechanism 3952.

aerosolized, DNA breakage, induction-ozone/cyclohexene 1985.

cell cycle, association-plasmid F'lac replication 2015.

cell extract, operon (lac) mRNA transcription, coupling-translation 2292.

cell-free system, phage T3 DNA transcription-RNA polymerase, effect of temperature 3828.

cell-free system, mRNA initiator site specificity 2578.

cell-free system, translocation/tRNA (aminoacyl)

recognition, effect of hygromycin B 5628.

chloramphenicol-resistance plasmid, DNA, characterization 5892.

chloramphenicol-treated, during operon (trp) transcription, mRNA release 4877.

chloramphenicol-treated, RNA 17S, in vitro conversion-RNA 16S 276.

chromatin structure, comparison-SV40/Ehrlich ascites cell 6275.

chromosome, interaction-membrane 4647.

chromosome, membrane-associated DNA, characterization 5047.

chromosome, plasmid RP4 incorporation, effect of transposon Tn1 5169.

chromosome, sequence arrangement, electron microscopy 1784.

chromosome, terminal region, inhibition-replication fork 1219.

chromosome aberration, rolc-phage Mu-1 early functions 3676.

chromosome replication, prophage P2-suppressed mutant 6292.

chromosome replication initiation, effect of mutation (dnaA) 6297.

cloning-*Benekeia harveyi* gene 2795.

cloning/expression-yeast imidazoleglycerolphosphate dehydratase gene 2798.

cloning-operator (lac) recognition sequence-containing DNA 6093.

codon use, pattern 3767.

coinfection-phage G4 + phage ϕ X174, origin-dimeric replicative form DNA 5907.

colicin E2, DNase activity, trypsin cleavage 6161.

concentration-isoaccepting tRNA, effect of mutation 1325.

conjugation, DNA transfer, limitation-colicin I specified protein 3232.

cytosine (5-aza), effect on UV-irradiation resistance 1272.

deuterated ribosomal subunit 30S/ribosomal subunit 50S,

small-angle neutron scattering 1896.

DNA, biotin operon regulation fragment, isolation 5940.

DNA, breakage-apurinic acid endonuclease 1690.

DNA, cleavage-N-methyl-N-nitrosourea 2689.

DNA, content/size distribution 2668.

DNA, damage-chloramphenicol 383.

DNA, degradation-hydrogen peroxide 404.

***Escherichia coli*, (continued)**

- DNA, detection-gene (tuf) 5808.
 DNA, *Diplococcus pneumoniae* restriction endonuclease cleavage, Okazaki fragment terminal determination 2726.
 DNA, homology-dependent cutting 3243.
 DNA, hyperchromism 5048.
 DNA, incorporation-uracil (5-bromo), lesion induction, repair 1273.
 DNA, insertion sequence integration site 5044.
 DNA, integrity during replication 3561.
 DNA, interaction-acridine orange, plasmid F'-lac elimination 4392.
 DNA, interaction-RNA polymerase, localization-binding site 6175.
 DNA, intracellular-structure 958.
 DNA, kanamycin resistance sequence, transposition-phage fd 3240.
 DNA, nitrous acid damage, repair 1593.
 DNA, psoralen cross-linking, removal, role-ATP 1587.
 DNA, restriction endonuclease EcoRI fragment, separation-electrophoresis 1490.
 DNA, restriction endonuclease fragment, molecular weight distribution 952.
 DNA, segregation pattern 3976.
 DNA, uptake-*Petunia hybrida* protoplast 3594.
 DNA-binding protein, catalysis-DNA reassociation, polyamine-dependence 1795.
 DNA-binding protein, effect on phage M13 single-stranded DNA transcription-*Escherichia coli* RNA polymerase 1224.
 DNA-binding protein, interaction-DNA, characterization 6308.
 DNA-binding protein HU, amino acid sequence 4654.
 DNA biosynthesis, effect of polyamine deficiency 4505.
 DNA biosynthesis, inhibition-haemocin 3583.
 DNA biosynthesis, rate, regulation 2018.
 DNA biosynthesis mutant, protein-independent 4476.
 DNA biosynthesis/protein biosynthesis following γ irradiation, effect of paracetamol 1013.
 DNA damage, association-septation inhibition, relationship-protein X 3595.
 DNA damage- γ irradiation, radioprotection-cis-dichlorodiammineplatinum(II) 4972.
 DNA dark repair, analysis 1590.
 DNA degradation, effect of UV-irradiation/irradiation(ionizing) 407.
 DNA fragment-containing hybrid plasmid, construction/cloning 2421.
 DNA gyrase subunit, purification 4590.
 DNA insertion sequence, properties, review 3325.
 DNA-membrane complex, characterization 5943.
 DNA-membrane complex, replication origin-containing, identification 6315.
 DNA methylase, fractionation/specificity 566.
 DNA methylase, purification/characterization 1742.
 DNA methylase activity, effect of S-adenosyl/S-uridyl/S-cytidyl/S-inosyl homocysteine 5288.
 DNA polymerase I, effect of caffeine 6188.
 DNA polymerase I, error-free DNA biosynthesis 3628.
 DNA polymerase I, exonuclease (3'-5') activity, inhibition-nucleoside monophosphate 4024.
 DNA polymerase I, methylated adenine incorporation-polynucleotide, rate/frequency 5558.
 DNA polymerase I-deficient, UV-irradiation induction-prophage λ 1064.
 DNA polymerase I processivity 5259.
 DNA polymerase II/DNA polymerase III, substrate specificity 4025.
 DNA polymerase III, purification/subunit characterization 6198.
 DNA repair, adaptive response-N-methyl-N'-nitro-N-nitrosoguanidine 2026.
 DNA repair, effect of freezing 1018.
 DNA repair, following UV-irradiation/ γ irradiation, role-DNA polymerase III 6199.
 DNA repair, role-u.v. irradiation-induced protein 1586.
 DNA repair, role-gene (lex) 6022.
 DNA repair, time course/role-oxygen 3574.
 DNA repair/survival, effect of Tween 80, following UV-irradiation/ γ irradiation 4486.
 DNA replication fork, Okazaki fragment formation, effect of dUTP 2182.
 DNA/RNA/protein biosynthesis, effect of quinoxin/quinoxaline-di-N-oxide 5102.
 DNA structural integrity/radiosensitivity, relationship-DNA biosynthesis/protein biosynthesis 4504.
 DNA-unwinding protein, ATPase activity, purification/characterization 1226.
 DNA-unwinding protein, characterization-unwinding activity 1227.
 elongation factor G, localization-GTP binding site 3416.
 elongation factor G, localization-GTP binding center 3414.
 elongation factor G, primary structure 3417.
 elongation factor Ts, guanyl cyclase activity 1380.
 elongation factor Ts/G, identification/characterization 3412.
 elongation factor Tu, binding-kirromycin 5646.
 elongation factor Tu, characterization 3786.
 elongation factor Tu, complex-tRNA (lysyl) analogue 5643.
 elongation factor Tu, complex-yeast tRNA(phenylalanyl), RNase T1-digested, isolation/characterization 170.
 elongation factor Tu, gene tufA/tufB product, characterization 2236.
 elongation factor Tu, interaction-yeast tRNA Phe, effect of 3'-terminal spin-labelling 5577.
 elongation factor Tu, structure, comparison-*Thermus thermophilus* HB8 1913.
 elongation factor Tu, X-ray diffraction 777.
 elongation factor Tu, X-ray diffraction 2599, 3418.
 elongation factor Tu/elongation factor G/elongation factor

***Escherichia coli*, (continued)**

- Ts, purification 5647.
- elongation factor Tu/elongation factor Ts, purification-chromatography (affinity) 223.
- elongation factor Tu/elongation factor Ts/elongation factor G/ribosomal protein S1 biosynthesis 3413.
- elongation factor Tu-GTP-tRNA(aminoacyl) complex, equilibrium study 776.
- elongation factor Tu separation, chromatography 3415.
- endonuclease VI, action mechanism 2442.
- erythromycin-resistant mutant, ribosomal subunit analysis 2583.
- exogenous DNA penetration, effect of calcium treatment 5157.
- expression-*Saccharomyces cerevisiae* cloned DNA, mutation (argH) complementation 3991.
- factor HI, chemical properties/physical properties 1794.
- flagella gene-containing DNA fragment, cloning 520.
- gene (dnaB) mutant, phage λ DNA repair, effect of temperature shift 1584.
- gene (dnaB) product, isolation/characterization 3605.
- gene (dnaB) protein, role-phage ϕ X174 DNA biosynthesis 989.
- gene (dnaG) protein, primer synthesis, characterization 6225.
- gene (dnaG) protein, purification/characterization, role-DNA primase 6226.
- gene (dnaG) protein, RNA primer, characterization, initiation-phage G4 DNA replication 5703.
- gene (dnaJ)/gene (dnaK), expression/organization 6124.
- gene (dnaJ)/gene (dnaK), requirement-phage λ DNA biosynthesis 6000.
- gene (glyV) derived tRNA Gly, characterization 5576.
- gene (lacI), mutagenesis, specificity 2794.
- gene (lacI), mutation mapping 2723.
- gene (nalA), role-DNA gyrase activity 2858.
- gene (nalA) product, characterization, relationship-DNA gyrase 2857.
- gene (polA)/gene (recA)/gene (uvrA), effect on UV-irradiation treated phage T4 recombination 6110.
- gene (recA) expression, regulation 4535.
- gene (recA) product, protein X 3244.
- gene (recF) mutant, post-replication repair, role-gene (uvrB) 1016.
- gene (rep) transduction-phage λ 2061.
- gene (rifA) mapping 918.
- gene (sep) localization 2356.
- gene (tuF) mutant, kirromycin-resistant elongation factor Tu 2234.
- gene (uvrB)-containing plasmid pMB9, construction 2791.
- genome, localization-RNA polymerase sigma subunit mutation 2423.
- GMP synthetase, characterization-glutamine binding site 623.
- guanosine (2'-amino-2'-deoxy) uptake 2953.
- guanosine tetraphosphate degradation 1300.
- guanosine tetraphosphate synthesis, stimulation-modified tRNA Phe 4205.
- host-controlled plasmid F' restriction, protection-phage T3/phage T7 2410.
- host-dependent restriction-phage FIC growth 3840.
- hybrid-*Vibrio cholerae*, DNA, melting curve 5935.
- infected, phage ϕ A DNA/growth, effect of mitomycin C 3573.
- infection-phage T4 mutant, RNA biosynthesis 1420.
- initiation factor IF-1, binding-ribosomal subunit 30S, effect of initiation complex component/identification-binding site ribosomal 2598.
- initiation factor IF-3, binding-ribosomal subunit 30S 2237.
- initiation factor IF-3, cross-linking-rRNA 16S 1912.
- initiation factor IF-3, metabolic stability during cell cycle 3788.
- initiation factor IF-3, phosphorylation-phage T7 protein kinase 775.
- initiation factor IF-3, separation, use-electrophoresis 1379.
- insertion sequence DNA, characterization 3519.
- insertion sequence IS, integration site, DNA sequence 3917.
- interferon mRNA translation 2305.
- iodine-125 decay, DNA breakage/repair 5868.
- iodine-125/X-irradiation damage, effect of DNA content 6021.
- irradiated, DNA elongation, role-UV-irradiation-induced protein 1019.
- β -irradiation, photoreactivation 2757.
- irradiation-induced DNA damage, modification-cis-dichlorodiammine platinum(II) 1506.
- X-irradiation-induced DNA polymerase III-directed repair synthesis, role-gene(dnaB) 486.
- UV-irradiation-induced mutagenesis 4487.
- UV-irradiation-induced single-stranded DNA breakage, DNA polymerase I-mediated repair 4576.
- UV-irradiation recovery, role-DNA polymerase I 567.
- UV-irradiation-treated, DNA degradation 3994.
- isolation-plasmid nonintegrated DNA 4942.
- 5-methoxytryptamine/cysteamine, radioprotection mechanism 5105.
- methyl-deficient tRNA Asn, detection-nucleoside Q precursor 1275.
- 3-methyladenine-DNA glycosylase, characterization 6227.
- N⁶-methyladenosine-containing tRNA, immunoadsorption 5573.
- minicell, depression-phage λ DNA late transcription 849.
- minicell, phage Mu-infected, protein biosynthesis 5595.
- modified lactose repressor, characterization 651.
- motility, role-RNase III 2810.
- mRNA content, relationship-operon(leu) enzyme level 781.
- mRNA-rRNA complex, characterization, role-protein biosynthesis initiation 774.
- multiple plasmid-containing, use-DNA source 5890.
- mutagenesis, UV-irradiation, role-recombination/DNA

***Escherichia coli*, (continued)**

- repair 2027.
- mutant (dam), adenine (6-methyl) role-mutation avoidance 5433.
- mutant (dna), phage G4 double-stranded DNA replication 5089.
- mutant, DNA biosynthesis/RNA biosynthesis 5984.
- mutant, effect on tRNA (leucyl) synthetase level, characterization 3382.
- mutant, elongation factor Tu, characterization 2235.
- mutant (recA), DNA breakdown, inhibition-phage Mu-1 6128.
- mutant, ribosomal protein S8 characterisation, electrophoresis 1898.
- mutant, ribosome, binding-chloramphenicol/tRNA (aminoacyl) fragment 4250.
- mutant (spoT), ribosome, guanosine pentaphosphate synthesis 3021.
- mutant, uracil incorporation, role-Okazaki fragment formation 2159.
- native/denatured RNA 16S, 5'-terminal structure 1545.
- native/UV-irradiation treated, UV-irradiation treated phage ϕ X174 DNA biosynthesis 2755.
- normal/phage T2-infected, RNA polymerase kinetics 2821.
- operator (lac), synthesis/cloning 6119.
- operator (lac) DNA synthesis/cloning, review 1811.
- operon (deo), regulation 3246.
- operon (deo), structure 956.
- operon (deo), transcription initiation regulation 3064.
- operon (deo), transcription unit overlapping 447.
- operon (lac), restriction endonuclease Hind II fragment, insertion-phage M13 517.
- operon (lac) mRNA stability/translation kinetics 877.
- operon (trp), initial transcribed region, nucleotide sequence, comparison-*Salmonella typhimurium* 5038.
- operon (trp), operator region, sequence analysis 5037.
- operon (trp), promoter-operator region, nucleotide sequence 5036.
- operon (trp), structure/regulation-transcription termination 1955.
- outer membrane lipoprotein mRNA, 5'-terminal sequence 5707.
- ozone-induced DNA repair 5099.
- peptidyltransferase, substrate, adenine nucleoside aminoacyl derivative 112.
- phage λ DNA, effect of psoralen-damaged phage λ superinfection 2792.
- phage λ DNA transfection efficiency 6105.
- phage λ penetration, role-phosphoenolpyruvate-sugar phosphotransferase 5187.
- phage λ /phage 186 DNA, effect of psoralen-damaged phage 186 2793.
- phage λ fus2-carrying ribosomal protein gene, organization/identification 1998.
- phage ϕ X174-infected, eclipsed particle production 3972.
- phage ϕ 80 prophage induction, role-gene (recBC) DNase 5229.
- phage f1-infected, RNA translation in vitro 4904.
- phage P1 plasmid maintenance mutant, characterization 4986.
- phage T4-induced ribonucleoside-diphosphate reductase/ribonucleoside-triphosphate reductase, effect of hydroxyurea 6228.
- phage T4-infected, early RNA biosynthesis, relationship-DNA replication/gene (55) product 5734.
- phage T7 assembly-blocking mutant, phage T7 DNA accumulation 6078.
- phage T7 infected, replicating/recombining DNA, purification/characterization 3531.
- phleomycin antibacterial activity, potentiation-pyrimidine (thiazolo[5,4-d]) derivative 2931.
- plasmid λ dv-carrying, DNA-binding protein, purification/characterization 2143.
- plasmid-borne DNA repair, interaction-SOS repair 1014.
- plasmid-chromosome complex, role-plasmid replication 5349.
- plasmid Clo DF13, gene product analysis 2999.
- plasmid Clo DF13, replication 2922.
- plasmid F excision, role-gene(recA) 1061.
- plasmid pAT2010, *Bacillus subtilis* hybrid, cloning/transcription 2789.
- plasmid pBR 322 x pML 21 hybrid, tetracycline resistance expression 6123.
- plasmid pBR313 DNA, reconstitution-tobacco mosaic virus protein 4996.
- plasmid pSC101, origin 1062.
- plasmid RP4, transposition, use-phage Mu-1 6100.
- plasmid Rsc, generation/replication 3198.
- plasmid R1, DNA, coding-RNA 4S 6094.
- plasmid R1drd-19/F'lac replication 5084.
- plasmid R12 replication 6047.
- plasmid R538-1, restriction endonuclease fragment, mapping/cloning 4999.
- plasmid R6-5, cistron (tra) characterization 5894.
- plasmid R6K, characterization 925.
- plasmid R6K DNA replication, analysis 3197.
- polAex2, DNA, 5'-terminal, occurrence-ribonucleotide 2724.
- poly (A) biosynthesis/RNA biosynthesis, effect of template/primer 4888.
- polynucleotide phosphorylase, purification/characterization 2107.
- polynucleotide phosphorylase, purification, use-blue-dextran-Sepharose chromatography (affinity) 2468.
- polyribosome, effect of amino acid starvation 3019.
- protein (ω), interaction-single-stranded DNA 4659.
- protein biosynthesis rate, effect of temperature shift 3766.
- protein rho-defective, transcription termination, RNA polymerase mutant 2820.
- psoralen/light treated, DNA repair, kinetics/topography 5103.
- purification-thymidine kinase, chromatography (affinity) 1155.
- purine/energy coupling transport, energy coupling mechanism 4691.
- purine/pyrimidine pool formation, inhibition-heliomycin

***Escherichia coli*, (continued)**

4692.
 R factor, RNA coding 3601.
 R factor ER1, identification/characterization 3155.
 R factor R1, copy mutant, replicon, isolation/characterization 5833.
 R factor transcription 4861.
 R factor transfer 5176.
 radioactive DNA, reassociation kinetics, length dependence 3542.
 recombinant plasmid, construction/replication 6098.
 regulation-gene (*argF*)/gene (*argI*) transcription 1654.
 regulation-RNA polymerase subunit biosynthesis 1702.
 repair-deficient, UV-irradiation/methyl methanesulphonate/cis-platinum dichlorodiamine/2-aminopurine-induced mutagenesis, effect of R 4388.
 repair endonuclease activity, reconstitution-gene (*uvrA*⁺)/gene (*uvrB*⁺)/gene (*uvrC*⁺) product 4560.
 repair-UV-irradiation damage 487.
 replication mutant, growth-single stranded DNA phage 5999.
 replication mutant, phage α 3 DNA biosynthesis 2748.
 replication origin, mapping/cloning 1997.
 replication origin-carrying plasmid, isolation 5832.
 repressor (*lac*), binding-DNA in vivo measurement 627.
 repressor (*lac*), binding-non-operator DNA, association constant measurement 1805.
 repressor (*lac*), complex-non-operator DNA, electron microscopy 1801.
 repressor (*lac*), interaction non-operator DNA/inducer, stoichiometry 1804.
 repressor (*lac*) mRNA, 5'-terminal sequence 259.
 restriction endonuclease *EcoRI*, plasmid *ColEI*-mediated 5234.
 ribonucleoside-diphosphate reductase, identification-allosteric effector sites 1168.
 ribonucleoside-diphosphate reductase, purification/assay 1167.
 ribosomal protein, binding-tRNA 1376.
 ribosomal protein, binding site, *Bacillus stearothermophilus* RNA 5S 5704.
 ribosomal protein, cross-linking-RNA, nitrogen mustard/bromo-ketone reagent, use-topography study 3770.
 ribosomal protein, isolation-acrylamide gel 3782.
 ribosomal protein, purification method, comparison, NMR 3773.
 ribosomal protein, secondary structure prediction 5616.
 ribosomal protein conformation, CD 4231.
 ribosomal protein gene, expression-vector phage clone, promoter identification 2000.
 ribosomal protein gene, mapping 4451.
 ribosomal protein gene-carrying DNA, insertion-vector phage 2062.
 ribosomal protein gene mapping, use-phage λ fus3 DNA 2001.
 ribosomal protein gene organization 1999.
 ribosomal protein L1, binding-*Bacillus stearothermophilus* rRNA 23S, nucleotide sequence 5705.
 ribosomal protein L11, primary structure 1356.
 ribosomal protein L11, requirement-peptide chain termination 3787.
 ribosomal protein L11, X-ray diffraction 4783.
 ribosomal protein L12, topography 2215.
 ribosomal protein L14, amino acid sequence 5607.
 ribosomal protein L15, primary structure 1355.
 ribosomal protein L16-deficient ribosome, conformation, effect of ribosomal protein L16 5606.
 ribosomal protein L19, primary structure 1895.
 ribosomal protein L28 primary structure 1354.
 ribosomal protein L31, primary structure 1894.
 ribosomal protein L5/ribosomal protein L18/ribosomal protein L25/ribosomal protein L7/L12/ribosomal protein L29/ribosomal protein L10, secondary structure prediction 1359.
 ribosomal protein L6, amino acid sequence 1101.
 ribosomal protein L7/L10, structure, comparison-rat liver/*Artemia salina* 3396.
 ribosomal protein L7/L12, isolation/crystallization 3772.
 ribosomal protein L7/L12/elongation factor Tu, role-GTPase activity 6213.
 ribosomal protein/RNA polymerase subunit/rRNA gene, in vitro transcription, stringent regulation 1438.
 ribosomal protein structure, NMR 757.
 ribosomal protein S1, characterization-polynucleotide binding site 1357.
 ribosomal protein S1, hydrodynamic properties 1353.
 ribosomal protein S1, photo-crosslinking-poly (U), specificity 4780.
 ribosomal protein S1, recognition site, phage Q β RNA 772.
 ribosomal protein S1-ribosomal subunit 30S complex, X-ray scattering/neutron scattering 4229.
 ribosomal protein S11, N-terminus isopeptide linkage 763.
 ribosomal protein S15/ribosomal protein S18, structure 4782.
 ribosomal protein S16, amino acid sequence 198.
 ribosomal protein S17, primary structure 3393.
 ribosomal protein S19, amino acid sequence 2584.
 ribosomal protein S3/ribosomal protein S4/ribosomal protein S7/ribosomal protein S20, small-angle X-ray scattering 3013.
 ribosomal protein S4 conformation, circular dichroism/NMR 200.
 ribosomal protein S4/ribosomal protein S8 binding site-RNA 16S, electron microscopy 3053.
 ribosomal protein S6, amino acid sequence 199.
 ribosomal protein S6, interaction-ribosomal protein S18 5618.
 ribosomal protein S9, sequence determination 1897.
 ribosomal protein 30S, antigen relationship-*Saccharomyces cerevisiae* ribosomal protein 3392.
 ribosomal protein 50S, function 773.
 ribosomal subunit, association/dissociation, effect of viomycin 5627.
 ribosomal subunit association, effect of magnesium ion 1368.
 ribosomal subunit 30S, binding-tRNA, role-ribosomal

***Escherichia coli*, (continued)**

protein S1/S11/S21 5642.

ribosomal subunit 30S, in vivo reassembly following thermal shock destruction 771.

ribosomal subunit 30S, inactivation-maleic anhydride, identification-poly (U) binding protein 762.

ribosomal subunit 30S, mapping-ribosomal protein location, neutron scattering study 4779.

ribosomal subunit 30S, protein arrangement, immunoelectron microscopy 5612.

ribosomal subunit 30S, protein-deficient ribonucleoprotein, X-ray scattering 758.

ribosomal subunit 30S, ribosomal protein, secondary structure 201.

ribosomal subunit 30S, mRNA binding site, identification-ribosomal protein, use-2-methoxy-5-nitropropone inactivation 3012.

ribosomal subunit 30S, RNA cross-linking region, analysis 4781.

ribosomal subunit 30S, rRNA 16S, nonanucleotide sequence 3446.

ribosomal subunit 30S, rRNA 16S topography 5706.

ribosomal subunit 30S, rRNA 16S, cleavage-colicin E3 2074.

ribosomal subunit 30S, RNA 4S core, occurrence/characterization 5655.

ribosomal subunit 30S, RNase treatment, rRNA release 3009.

ribosomal subunit 50S, assembly in vitro, protein requirement 1369.

ribosomal subunit 50S, in vitro reconstitution 5625.

ribosomal subunit 50S, interaction-puromycin analogue 5446.

ribosomal subunit 50S, rRNA, structure, effect of UV-irradiation 5669.

ribosomal subunit 50S, RNA 23S accessible region, nucleotide sequence 2622.

ribosomal subunit 50S, thermostability 3779.

ribosomal subunit 50S ribonucleoprotein particle, characterization 1358.

ribosome, r-RNA, association-ribosomal protein 3769.

ribosome, affinity labelling-heptaurydic acid derivative 4230.

ribosome, binding-chloramphenicol, inhibition-dinucleoside (aminoacyl) phosphate 3403.

ribosome, binding-poly (U), rotational diffusion 4228.

ribosome, binding-tuberculinomycin O 5633.

ribosome, binding-virginiamycin S 5631.

ribosome, characterization-binding site, phage λ ribosome

795.

ribosome, interaction-tetracycline 214.

ribosome, localization-tRNA binding region 4796.

ribosome, localization-mRNA binding site 2585.

ribosome, peptidyl transferase centre, substrate specificity 3780.

ribosome, photochemical cross-linking-tRNA (acetylalyl) 5641.

ribosome, photoinduced affinity labelling-puromycin 5629.

ribosome, relaxation kinetics 1900.

ribosome, ribosomal protein exchange 3011.

ribosome, RNA/protein distribution/packaging 759.

ribosome, role-phage T4 deoxynucleotide kinase mRNA

stabilization 4243.

ribosome, role-phage T7 early mRNA stability 4349.

ribosome, sedimentation analysis 1899.

ribosome, stringent factor assay 5626.

ribosome, structure, electron microscopy, comparison-*Artemia salina* 4234.

ribosome, structure/function, review 23.

ribosome, structure/size, electron microscopy 197.

ribosome, translocation, mechanism 4800.

ribosome activity/structure, effect of succinic acid/maleic acid/acetic acid 2223.

ribosome-associated enzyme, guanosine tetraphosphate degradation 3261.

ribosome binding-erythromycin, association-ribosomal protein L16/ribosomal protein L15 2593.

ribosome binding site, phage λ DNA 2710.

ribosome conformation, effect of sodium bisulphite 1360.

ribosome conformation, effect of streptomycin/viomycin 5632.

ribosome maturation 770.

ribosome/ribosomal subunit 30S, protein/RNA distribution 3014.

ribosome/ribosomal subunit 30S/ribosomal subunit 50S, rotational diffusion 4227.

ribosome/rRNA, interaction-neomycin 4241.

ribosome structure, role-RNA 5611.

ribosome 3'-terminal methylated sequence, structure/properties 5614.

tRNA, adenylate residue, recognition-rat liver tRNA methylase 1340.

tRNA (aminoacyl) synthetase, affinity labelling-ATP binding site 4761.

tRNA (aminoacyl) synthetase/tRNA content, effect of amino acid deficiency 4760.

tRNA (aspartyl) synthetase, purification/characterization 2571.

rRNA, degradation-RNase U2 5801.

RNA (DNA-like), fractionation-chromatography (MAK column) 785.

mRNA, genome transcription product, analysis 261.

tRNA (glutamyl) synthetase, interaction-noncognate tRNA 4208.

mRNA, in vitro synthesis-ribosomal protein L12/ribosomal protein L10/elongation factor Tu 2589.

tRNA, inhibition-chorismate mutase 4754.

tRNA, interaction-aflatoxin B₁ 4743.

RNA, interaction-ethyl(N-benzyloxycarbonylorthoglycinate 1874.

rRNA, irradiation-induced cross-linking-ribosomal protein 2590.

tRNA, isolation-uridine (4-thio) disulphide 4127.

tRNA (lysyl), mutant, effects on lysine biosynthesis regulation 2199.

tRNA, nucleoside Q precursor, guanosine (7-(aminomethyl)-7-deaza), structure determination 5464.

tRNA (Phe), conformation, effect of aminoacylation 4197.

tRNA (phenyl), determination structure 3756.

rRNA, purification, electrophoresis 5663.

RNA, ribosomal protein S4-associated, 5'-terminal structure 809.

- Escherichia coli***,
 r-RNA, structure/function/regulation, *Proteus mirabilis* 3813.
 RNA, transcription/translation, initiation-membrane-associated nucleoid 817.
 tRNA (tryptophanyl) synthetase, sequence homology-*Bacillus stearothermophilus* 2202.
 tRNA (tryptophanyl) synthetase mutation, effect on temperature-sensitive growth 5589.
 tRNA, uridine (5-methoxy)/uridine-5-oxyacetic acid biosynthesis 5562.
 tRNA (valyl) synthetase, modifying τ -peptide, phage T4, purification/properties 1887.
 tRNA (valyl) synthetase, phage T4 τ -peptide-modified, structure 1888.
 rRNA (5S), ribosomal protein binding site 4290.
 RNA accumulation/guanosine tetraphosphate metabolism, effect of 5a,6-anhydrotetracyclines 4876.
 tRNA(aminoacyl)synthetase, cross-linking-ATP 177.
 tRNA Arg, biological activity, effect of specific modification 5575.
 RNA biosynthesis, effect of UV-irradiation/X-irradiation-treated phage T2 ghost 4321.
 rRNA biosynthesis, relationship-growth rate 5727.
 mRNA context, effect on nonsense codon suppression 4364.
 tRNA Cys, 3'-terminal, nucleotide sequence/properties, role-tRNA nucleotidyltransferase 3384.
 tRNA fMet conformation, lanthanide fluorescence 3372.
 tRNA fMet/tRNA Met, role-anticodon base 1344.
 tRNA gene, localization 3304.
 rRNA gene operon, localization-tRNA gene 2357.
 tRNA Leu, in vitro aminoacylation-tRNA (leucyl) synthetase 3383.
 tRNA Leu, role-amino acid transport regulation 5574.
 tRNA Lys/tRNA Phe, conformation, effect of codon 5568.
 tRNA(methionyl) synthetase, ?tRNA fMet binding-activation site 181.
 tRNA(methionyl)synthetase, interaction-metal ion, NMR 3760.
 tRNA methylase, inhibition-ethionine 4757.
 tRNA methylase, kinetics 3378.
 RNA methylation mutant, characterization-tRNA 1876.
 RNA methylation mutant, characterization-rRNA 1933.
 tRNA nucleotidyltransferase, kinetics 188.
 tRNA nucleotidyltransferase, purification, comparison-*Lactobacillus acidophilus* 5592.
 tRNA nucleotidyltransferase, purification/properties 187.
 tRNA nucleotidyltransferase-deficient mutant, tRNA metabolism 3370.
 tRNA nucleotidyltransferase mutant, growth, effect of mutation (relA) 3762.
 tRNA Phe, alkylation 2985.
 tRNA Phe, conformer interconversion 3754.
 tRNA Phe ribosome translocation, inhibition-viomycin 1906.
 tRNA(phenylalanyl), binding-ribosomal subunit 30S protein, UV-irradiation-induced 221.
 RNA polymerase, σ subunit mutation, effect on transcription activity 6162.
 RNA polymerase, accessibility-L cell chromatin satellite DNA 2094.
 RNA polymerase, activity-denatured mouse liver DNA 5724.
Escherichia coli,
 RNA polymerase, binding-phage T2/phage T7 DNA 1111.
Escherichia coli,
 RNA polymerase, binding-phage T7 DNA, displacement-heparin 1700.
 RNA polymerase, binding-rat liver chromatin 6166.
 RNA polymerase, binding site-phage T7 DNA, mapping 5004.
 RNA polymerase, binding/transcription-SV40 DNA 1705.
 RNA polymerase, catalysis-single nucleotide addition 4011.
 RNA polymerase, complex-DNA, characterization, use-dimethylsulphate methylation 4008.
 RNA polymerase, complex-DNA, subunit topography 5247.
 RNA polymerase, complex-phage T7 DNA 1110.
 RNA polymerase, decadeoxynucleotide template properties 3619.
 RNA polymerase, effect of cobalt substitution 1114.
 RNA polymerase, effect of methylglyoxal bis(guanyldiazotone)/spermidine/spermine 2453.
 RNA polymerase, inhibition-bis(1-anilino-8-naphthalenesulphonate) 2822.
 RNA polymerase, inhibition-antitumour agent 1129.
 RNA polymerase, inhibition- β -exotoxin 5246.
 RNA polymerase, inhibition-heliomycin, cell-free system 6164.
 RNA polymerase, inhibition-poly A (9-vinyl)/poly U (1-vinyl) 2826.
 RNA polymerase, initiator-substrate distance 6176.
 RNA polymerase, interaction-nucleoside triphosphate 6174.
 RNA polymerase, interaction-phase fd DNA, binding site mapping, electron microscopy 430.
 RNA polymerase, interaction-phase fd DNA, dissociation kinetics 553.
 RNA polymerase, interaction-phase T5 promoter 2089.
 RNA polymerase, interaction-phage T7 DNA, photochemical cross-linking 6172.
 RNA polymerase, interaction-rifampicin, kinetics 1115.
 RNA polymerase, nonspecific interaction-native/denatured DNA 4568.
 RNA polymerase, nucleoside triphosphate multiple binding sites 5244.
 RNA polymerase, polyribonucleotide synthesis/pyrophosphorolysis, effect of nucleoside diphosphate 6165.
 RNA polymerase, primed abortive initiation-RNA biosynthesis, phage T7 DNA 4334.
 RNA polymerase, RNA/poly (A), initiation specificity 2830.
 RNA polymerase, RNA synthesis in vitro 1707.
 RNA polymerase, role-gene(recA)-independent genetic recombination 558.
 RNA polymerase, subunit distribution-cytoplasm/chromosome 1116.
 RNA polymerase, synthesis-complementary RNA 555.

***Escherichia coli*.**

RNA polymerase, thiol group, reaction-7-chloro-4-nitrobenzo-2 oxa-1,3 diazole 2090.

RNA polymerase, transcription-BK virus DNA 3264.

RNA polymerase mutant, regulation-biosynthesis/activity 1704.

RNA polymerase mutant subunit, identification 4565.

RNA polymerase α -subunit, amino acid sequence 3262.

RNA polymerase α -subunit, cyanogen bromide peptides, amino acid sequence 2831.

RNA polymerase α -subunit, hybrid formation-*Micrococcus luteus* β -subunit 4012.

RNA polymerase subunit, resolution-isoelectric focusing 1117.

RNA polymerase α -subunit, C-terminal amino acid sequence 5241.

RNA polymerase α -subunit, thermolysin hydrolysis product, amino acid sequence 5240.

RNA polymerase subunit biosynthesis, regulation 2456.

RNA polymerase subunit gene mutation, effect on operon (*rpoBC*) transcription 2827.

RNA polymerase β' -subunit mutation, RNA biosynthesis 277.

rRNA precursor, cleavage-RNase III 3054.

rRNA processing, effect of mutation (*rnc*) 5756.

RNA/protein biosynthesis, effect of guanosine (2'-amino-2'-deoxy) 2954.

mRNA translation, inhibition-nitrofurantoin 3107.

tRNA Tyr, binding-L-dopa 4744.

tRNA Tyr gene, transcription, termination site 5744.

tRNA(tyrosyl)synthetase/tRNA(valyl)synthetase, ligand binding stoichiometry/subunit structure 185.

tRNA Val, guanosine (6-thio)/uridine (4-thio) sulphur, labelling-tetrakis (acetoxymethyl)methane 3369.

rRNA 16S, characterization-ribosomal protein S4 binding region 1407.

?rRNA 16S, cytosine modification, effect on ribosomal subunit 30S reconstitution/function 209.

rRNA 16S, ribosomal protein binding site, conformation/stability 4291.

rRNA 16S, ribosomal protein S4/S16/S17/S20 binding site, structure/properties 4292.

RNA 16S, sequence determination 1408.

rRNA 16S fragment, sequence determination method 2623.

rRNA 23S, interaction-ribosomal protein S1 1903.

rRNA 23S, puromycin derivative attachment site, nucleotide sequence 2624.

RNA 5S, binding-complementary oligonucleotide, identification-single-stranded region 3445.

rRNA 5S, conformation stability, effect of binding-ribosomal protein L25/ribosomal protein L18/ribosomal protein L5 5613.

RNA 5S, interaction-ribosomal protein L5/ribosomal protein L18/ribosomal protein L25 5609.

?rRNA 5S, refolding 262.

RNA 5S binding site-containing ribosomal protein L18 fragment, characterization 5608.

RNase/ATPase/phosphatase activity, effect of histone 3295.
RNase II, purification/characterization 3608.

RNase III-deficient strain, visualization-rRNA biosynthesis, electron microscopy 816.

RNase O/RNase Q, purification/properties 5227.

rRNA biosynthesis, relationship-phage RNA biosynthesis 827.

rRNA gene recombination 1074.

rRNA/ribosomal protein mRNA biosynthesis/stability, effect of growth rate 852.

small stable RNA, characterization 3029.

spheroplast, transfection-phage λ prophage DNA 5181.

stringent factor, activation-tRNA, requirement-3'-terminal purine 3758.

stringent factor, ATP pyrophosphate transfer-guanosine nucleotide 2549.

superhelical DNA, relaxation-coumermycin 3543.

suppressor tRNA gene, transduction-mammalian cell 4534.

suppressor tRNA Trp, codon specificity 1881.

T-even phage, chromosome replication 6299.

temperature-sensitive mutant, DNA biosynthesis, stimulation-phage T4 496.

temperature-sensitive mutant, rRNA biosynthesis 5757.

temperature-sensitive mutant, RNA polymerase assembly 4010.

temperature-sensitive mutant(dnaZ), DNA biosynthesis, effect of temperature 2396.

termination-DNA replication cycle 2742.

thymidine kinase, inhibition-thymidine derivative 2853.

toluene-treated, UV-irradiation-induced DNA excision-repair, role-DNA polymerase I 6196.

toluene-treated, UV-irradiation-induced DNA repair synthesis, role-DNA polymerase I 6197.

transcription pattern-chromosome containing RNA polymerase/ribosomal protein S0S gene 1939.

transfection, phage T7 DNA infectivity 1644.

transformation, characterization 1656.

transformation-DNA restriction fragment 2422.

trimethoprim-resistance R factor, isolation-dihydrofolate reductase gene-carrying fragment 5835.

tRNA, interaction-copper ion/zinc ion/cadmium ion 716.

tRNA (methionyl) synthetase, chromatography (affinity) 739.

tRNA, oxidation-uridine(4-thio) 715.

tRNA, physical properties, effect of nucleoside modified content 723.

tRNA Asp, nucleoside Q biosynthesis, role-methionine 719.

tRNA gene, repair-UV-irradiation-induced lesion 1017.

tRNA His, phosphorylation-polynucleotide kinase, kinetics 1151.

tRNA methylation, association-UV-irradiation-induced photoproduct formation 730.

tRNA(threonyl)synthetase, subunit structure/mapping-structural gene 743.

uracil-containing DNA, excision-repair, role-dUTPase 3950.

uridine(5-bromodeoxy)-substituted DNA, effect on β -galactosidase gene expression 2543.

UV-irradiation, phage M13 DNA-binding protein, cross-linking-single-stranded DNA 1223.

***Escherichia coli*, (continued)**

UV-irradiation-treated, DNA repair, inhibition-arsenic 2385.

DNA, effect of cadmium ion 2682.

DNA biosynthesis/RNA biosynthesis, during low growth rate 2767.

DNA methylase, isolation, comparison-*Escherichia coli* K 12 3277.

fractionation-tRNA(aminoacyl)synthetase, aminohexyl-Sepharose 733.

normal/uracil (5-fluoro)-containing tRNA, properties, effect of pH 728.

phage T4, cytosine-containing DNA 5804.

restriction endonuclease recognition site, DNA nucleotide sequence 5944.

restriction endonuclease recognition site DNA, phage ϕ XsB1/SV40 restriction 5900.

uridine (pseudo)-deficient tRNA, use-pseudouridine synthetase substrate 1338.

***Escherichia coli* B/r,**

cell cycle, F' lac factor replication during 5978.

DNA photoreactivating enzyme, effect of uv-irradiation 3279.

gene (ara) containing hybrid plasmid, construction 5179.

RNA biosynthesis/DNA biosynthesis, effect of nitrofurant derivative 5129.

substrain, DNA content 3858.

***Escherichia coli* C,**

phage DNA uptake, effect of cell wall mutation 6076.

uracil (5-bromo) incorporation, effect on γ -irradiation sensitization 3712.

***Escherichia coli* K12,**

chromosome replication, termination site 1781.

conjugation, donor DNA, fate 2066.

determination-cysteine mRNA biosynthesis regulation, use-transducing phage λ 1949.

DNA, gene (ilv) region, restriction endonuclease mapping 2902.

DNA degradation, effect of ozone 3251.

DNA-directed cystathionine γ -synthetase biosynthesis in vitro 4218.

DNA methylase, isolation, comparison-*Escherichia coli* B 3277.

DNA methylase, site specificity/properties 4039.

DNA post replication repair, effect of caffeine/chloramphenicol 204.

DNA repair, alkylation-induced, role-DNA polymerase I 3270.

DNA replication initiation, role-gene (dnaA)/gene (dnaC) 3189.

DNA strand polarity during conjugation 4450.

β -galactosidase biosynthesis, effect of nucleoside 5479.

gene (ilvC)-operon (lac) fusion DNA, role β galactosidase biosynthesis 2065.

gene (ilvE)/gene (ilvD)/gene (ilvA)/gene (ilvC), mapping 2725.

gene (trxA) mapping 1544.

gene(dnaA) production, role-DNA replication regulation 2397.

gentamicin resistant mutant, ribosomal protein L6 structure 2214.

mutant, DNA N-glycosidase assay 6224.

operon (lac)-gene (ilvC) fusion, characterization 2064.

plasmid ColE1 carrying rRNA gene transcription unit, characterization 2418.

plasmid RSF1010 replication 5979.

plasmid R245, isolation/characterization 2706.

plasmid R6K DNA replication 5083.

polyribosome, attachment-membrane, nascent chain 5617.

R factor, characterization 3520.

regulation-R factor DNA replication 5081.

restriction endonuclease, conformation, effect of ATP 6159.

ribosomal protein mRNA, biosynthesis during nutritional shift-up 3084.

tRNA (asparaginyl) synthetase mutant, identification 2201.

RNA polymerase, flagellum formation defective mutant, characterization 2092.

RNA polymerase subunit biosynthesis rate 2819.

RNA/protein biosynthesis, effect of indoleacetic acid 5758.

threonine deaminase mutant, tRNA (aminoacyl) synthetase biosynthesis/activity 3761.

thymineless death, role-gene(recB) product 2067.

transfection-phage λ , calcium chloride-dependent system, characterization 5188.

***Escherichia coli* MRE 600,**

extra-chromosomal DNA 5807.

ribosomal protein L10, amino acid sequence 5610.

ribosomal subunit 50S, interaction-tRNA 2595.

ribosome, cell-free system, protein biosynthesis, effect of temperature 5599.

ribosome, reaction-dithioglycolic acid diazide 1907.

***Escherichia coli* PAT 84,**

DNA replication pattern 3940.

ESR,

analysis, dGMP, γ -irradiation 1298.

cytosine (1-methyl)-uracil (5-fluoro) complex, free radical formation 3703.

DNA, interaction-nitrobenzene 2331.

substituted pyrimidine 2925.

uridine (5-chlorodeoxy)/uridine (5-bromodeoxy), X-irradiation 1840.

uridine (5-iododeoxy), iodine-125/iodine-131/tritium-labelled, radical formation 5460.

yeast tRNA Phe binding-manganese ion 1875.

yeast tRNA Tyr conformation 725.

Ethanol,

effect on protein biosynthesis, rat liver 4247.

effect on protein synthesis, rat brain, membrane-bound ribosome 3390.

effect on RNA biosynthesis/protein biosynthesis, *Phaseolus vulgaris* 1452.

Ethidium,

binding-DNA/poly(I-C) 916.

binding-HeLa cell nucleoid superhelical DNA 3887.

cytidyl (5-iodo(3'-5'))guanosine complex, X-ray crystallography 708.

dimer, intercalation-phage PM2 DNA, electron microscopy 3526.

inhibition-thymidine/adenine/uridine incorporation-rat/mouse liver RNA/DNA 3575.

interaction-synthetic double-stranded polynucleotide 1312.

uridyl (5-iodo(3'-5'))adenosine complex, X-ray crystallography 707.

Ethidium bromide,

binding-chromatin, fluorescence, effect of sodium chloride/EDTA concentration 4643.

Ethidium bromide,(continued)

binding-chromatin DNA, effect on cleavage pattern 389.
 binding-tRNA 5566.
 binding-yeast tRNA Phe 717.
 complex-chromatin, degradation-nuclease 4632.
 complex-DNA, effect on mouse peritoneal macrophage 6083.
 complex-DNA, physical properties 3877.
 complex-phage T4 DNA, fluorescence depolarization 386.
 differentiation-DNA-platinum complex 402.
 DNA complex, fluorescent detection 884.
 effect on brome mosaic virus RNA biosynthesis in vitro 850.
 fluorescence, use-phage DNA detection 3491.
 fluorometric method, determination-membrane-bound chloroplast RNA 5651.
 inhibition-RNA methylation, Novikoff ascites hepatoma 1434.
 intercalation-phage PM2 DNA, electron microscopy 3526.
 poly(A-U) complex, unwinding angle determination 153.
 preferential deletion-mitochondrial DNA region,

Saccharomyces cerevisiae 5866.

use-fluorometric determination-DNA 4371.

Ethionine,

binding-tRNA Lys, rat liver 2559.
 effect on phosphorylation-ribosomal protein S6, rat liver 766.
 effect on polyribosome/protein biosynthesis, rat liver 4794.
 effect on ribosome/initiation factor activity, rat liver protein biosynthesis 2206.

inhibition-*Escherichia coli* tRNA methylase 4757.

inhibition-RNA biosynthesis, rat liver 2294.

Ethyl methanesulphonate,

alkylation-DNA, reactivity-thymidyl-(3'-5')-thymidine 4958.

effect on mouse DNA 3135.

effect on sister chromatid exchange, CHO cell 6289.

induced, chromosome aberration, *Pterotheca falconeri*, effect of caffeine 1214.

relationship-virus induction/sister chromatid exchange, SV40-transformed hamster cell line 4645.

EthylN-benzoyloxycarbonylorthoglycinate,

interaction-*Escherichia coli* tRNA 1874.

Ethylene glycol,

effect on *Neurospora crassa* conidia genome transcription 4878.

effect on ribosome/rRNA 16S structure 3394.

1,2-Ethylene sulphate,

mutagenesis, *Salmonella typhimurium* 3505.

Ethylenglycol-bis-N,N'-Tetraacetic acid,

treated, polyoma virus, DNA-protein complex, characterization 5360.

N-Ethyl-N-nitrosourea,

alkylation-DNA, reactivity-thymidyl-(3'-5')-thymidine 4958.

effect on *Candida tropicalis* DNA secondary structure 959.

effect on rat chromosome 2139.

induction-DNA ethyl phosphodiester formation, stability in vivo 4959.

Euchromatin,

see also **Chromatin**

histone content analysis, mouse hepatoma 2896.

level, during regeneration, rat liver 4634.

premeiotic DNA biosynthesis, *Lilium longiflorum* 471.

Triatoma infestans, histone cytochemistry 1197.

Euglena,

ribosomal protein, biosynthesis/characterization 3399.

Euglena gracilis,

chloroplast, DNA biosynthesis 3563.

chloroplast, rRNA gene, cloning 5057.

chloroplast DNA, mapping/localization-rRNA gene 1935.

histone, fractionation 3291.

nuclear DNA/histone content 5811.

pyrimidine degradation, inhibition-analogue 71.

ribosomal protein, radioactive labelling 1908.

tRNA (leucyl) synthetase, inhibition-modified ATP analogue 2572.

rRNA gene, restriction endonuclease analysis 5956.

RNA polymerase, activity, effect of temperature 2450.

vitamin B₁₂ deficient, effect on DNA 5051.

Eukaryote,

cell nucleus, detection/characterization-DNA polymerase α /DNA polymerase β 1726.

elongation factor EF-1 β , subunit separation/properties 1383.

genome organization, review 2507.

genome organization/expression, review 3691.

initiation factor, phosphorylation 2233.

initiation factor IF-2, binding/release, during protein biosynthesis initiation 2231.

initiation-mRNA translation, review 1240.

nucleus, protein biosynthesis, characterization 2574.

regulation-gene expression, review 2514.

ribosome function, inhibition-fusarenon-X 3401.

Euscelis plebejus,

egg, RNA biosynthesis during oogenesis/embryogenesis 4899.

Evolution,

DNA repetitive sequence, *Strongylocentrotus purpuratus* / *Strongylocentrotus droebachiensis* / *Strongylocentrotus franciscanus* / *Lytechinus picus* 1549.

β -globin mRNA, comparison-human/rabbit 2631.

origin, repetitive DNA, model 2366.

rRNA, prokaryotic phylogeny 794.

Excision-repair,

see also **Repair**

DNA, human, effect of 2-chloroethyl-isocyanate 4497.

DNA, human/hamster/chick embryo cell 1607.

DNA, inhibition-butylated hydroxytoluene, human lymphocyte 4500.

DNA, UV-irradiation-induced, toluene-treated *Escherichia coli*, role-DNA polymerase I 6196.

DNA, UV-irradiation-treated mouse oocyte 2032.

DNA, 7-bromomethylbenz(a)anthracene-treated Chinese hamster cell/HeLa cell 1609.

following UV-irradiation, *Proteus mirabilis* mutant (MUT) 1591.

gene, mapping, *Bacillus subtilis* 1541.

human xeroderma pigmentosum cell, use-DNA damage indicator 2037.

mouse spleen, effect of prostaglandin 4492.

rate, human cell DNA, control-nucleosome structure 3213.

uracil, during phage 0X174 DNA replication in vitro 5101.

uracil-containing DNA, *Escherichia coli*, role dUTPase 3950.

UV-irradiation damage, mechanism, CV-1 cell 3960.

UV-irradiation/induced-insertion, sequence size DNA, mammalian cell 1610.

UV-irradiation-induced single-stranded breakage, *Proteus mirabilis* DNA 3205.

Exonuclease,

see also **DNase**, **RNase**, **Nuclease**

Exonuclease, (continued)

DNA polymerase I-associated, role-phage M13 DNA replication 1087.
 heterogeneity, *Crotalus adamanteus* 1088.
 identification, *Bacillus subtilis*, activity-irradiated DNA 1673.
 preparation, calf spleen 1674.
 single-stranded DNA-specific, *Bacillus subtilis*, purification/characterization 6152.

Exonuclease (3'-5'),

activity, *Escherichia coli* DNA polymerase I, inhibition-nucleoside monophosphate 4024.

Exonuclease A5,

inhibitor, characterization 2801.

Exonuclease III,

Escherichia coli, biological activity 547.

 β -Exotoxin,

inhibition-RNA polymerase, *Bacillus thuringiensis* /
Escherichia coli 5246.

F' lac factor,

replication, during *Escherichia coli* B/r cell cycle 5978.

F factor,

isolation/characterization, plasmid pSC138 3156.
 restriction endonuclease DNA fragment, containing, plasmid, construction/analysis 5177.
 restriction endonuclease EcoRI cloned DNA fragment, physical properties/function 4993.

F-like factor,

conjugation regulation 5175.

Fanconi's anaemia,

cell, repair mitomycin C/UV-irradiation-induced DNA lesion 2034.

human, defective repair-UV-irradiation/ γ -irradiation-damaged DNA 3958.

UV-irradiation-induced DNA breakage/repair 3215.

Fatty-acid synthetase,

mRNA, rat liver, translation-cell-free system 3110.

synthesizing, polyribosome, identification, chick 1363.

Feline leukaemia virus,

genome DNA, occurrence-cat cell 5931.
 infected cell, analysis-polyribosome/cytoplasmic RNA 3797.
 infected cell, virus specific RNA, 5'-terminal cap structure 3794.

Ferrous ion,

combination-5-amino-1-formylisoquinoline
 thiosemicarbazone, inhibition-DNA polymerase β /DNA
 polymerase α /RNA polymerase II/RNA polymerase II 1136.

Fibroblast,

cell culture, human, DNA biosynthesis/RNA biosynthesis assay 467.

cell culture, human, protein biosynthesis regulation 3006.

chick, DNA biosynthesis, effect of n-butyrate 1047.

chick, myosin heavy-chain mRNA, content during myogenesis 2247.

chick, Semliki Forest virus-infected, RNA biosynthesis, effect of nonstructural protein 5739.

chick embryo, cell cycle, effect of multiplication-stimulating activity 484.

chick embryo, DNA biosynthesis/cation content, effect of magnesium ion 491.

chick embryo, transformation-Rous sarcoma virus, inhibition-adenosine (5'-deoxy-5'-S-isobutylthio) 4707.

chick embryo, vaccinia virus-infected, RNA methylation,

effect of interferon treatment 5749.

hamster, microtubule-associated protein, binding-DNA 5356.

human, <UV>-irradiation treated, photoreactivation-

thymine dimer 397.

human, DNA biosynthesis, stimulation-thrombin/trypsin/plasmin 503.

human, DNA biosynthesis, stimulation-thrombin 4517.

human, DNA repair, assay 3577.

human, histone biosynthesis, fidelity, effect of age 4605.

human, inactivation-interferon mRNA during interferon biosynthesis shutoff 1963.

human, interferon mRNA, biosynthesis/inactivation 863.

human, irradiated, nuclear DNA binding-8-methoxypsoralen 2698.

human, normal/SV40-transformed, rRNA metabolism 2281.

human, protein biosynthesis inhibition, effect on mRNA accumulation 874.

human, purine nucleoside incorporation, effect of purine nucleoside phosphorylase deficiency 575.

human, rRNA biosynthesis, effect of interferon 3091.

human, serum stimulation, effect on nuclear ribonucleoprotein nonhistone protein/chromatin 607.

mouse, uptake/aminoacylation-exogenous tRNA 729.

normal/Bloom's syndrome/ataxia telangiectasia, comparison-apurinic site-specific endonuclease activity/repair 1030.

normal/repair-deficient, human DNA N-glycosidase activity 2475.

nucleolus, RNA biosynthesis/RNA content, effect of adriamycin 1433.

purine nucleoside phosphorylase, assay 2109.

Werner's syndrome, UV-irradiation-induced DNA repair synthesis 4496.

xeroderma pigmentosum, DNA-binding protein, chromatography 4655.

Fibrosarcoma,

clone, DNA content 1487.

mouse, tumour-specific cytotoxicity, transfer-xenogeneic immune RNA 321.

FL cell,

menzovirus replication, inhibition-dipyridamole 290.

Flagellin,

biosynthesis, regulation during *Caulobacter crescentus* cell cycle, dependence-DNA replication 1890.

Fluocinolone acetate,

effect on DNA biosynthesis, mouse skin 2777.

Fluorescein,

photodynamic action, *Bacillus subtilis* transforming DNA 2414.

probe, use-tRNA structure determination 2988.

Fluorescein mercuric acetate,

complex formation-calf thymus/*Micrococcus lysodeikticus* DNA, kinetics 1515.

Fluorescence,

barley embryo t RNAPhe binding-monovalent cation 172.

Fluorescent light,

induction-DNA cross-linking/chromosome aberration, mice cells 349.

bis-Fluoroethyl nitrosourea,

interaction-DNA/RNA, role cytidine (fluoroethyl) 2254.

 α -Foetoprotein,

mRNA, rat, quantitation, use-complementary DNA probe 1395.

Foetus,

RNA/DNA metabolism, review 4110.

Folate,

depletion, effect on uridine (5-fluoro-2'-deoxy) cytotoxicity,

Folate,(continued)

mouse leukaemia cell 1851.

Folic acid,

interaction-RNase A 1095.

Folpet,

interaction-DNA/histone, calf thymus/rat liver 5307.

Foot-and-mouth disease virus,

associated RNase activity 6139.

RNA, localization-poly (C) sequence 4280.

serotype, RNA, sequence homology 1403.

vaccine, potentiation-poly (I.C), guinea pig 1316.

Formaldehyde,

cross-linking-vesicular stomatitis virus protein 6314.

effect on RNase A activity 3610.

induction-DNA-binding cross-linking, *Saccharomyces cerevisiae* 5871.

interaction DNA/RNA/polynucleotide 405.

reaction-uracil + formic acid, thymine synthesis 652.

Formamide,

solution, DNA thermal stability/renaturation kinetics 420.

Formic acid,

reaction-uracil + formaldehyde, thymine synthesis 652.

Formycin,

effect on tRNA precursor processing, *Bombyx mori* silk gland 1327.

NMR 105.

Formycin (2'-Deoxy),

triphosphate, preparation, effect on ribonucleoside

triphosphate reductase 4595.

Formycin B hydrochloride,

X-ray crystallography 1281.

Fowl plague virus,

mapping 4905.

RNA transcriptase, comparison-influenza virus A 5255.

Fowl pox virus,

DNA, restriction endonuclease cleavage analysis,

comparison-rabbitpox virus/cowpox virus/vaccinia virus/ectromelia virus 1535.

Fraxinus excelsior,

dormant embryo, RNA biosynthesis 1419.

Freezing,

effect on RNA polymerase activity, rat liver 5248.

Friend cell,

chromatin, distribution-mRNA coding sequence 1200.

chromatin, localization-globin gene 1778.

chromatin nonhistone protein disappearance during erythroid differentiation 6273.

histone acetylation, effect of n-butyrate 1762.

nucleolus, RNA biosynthesis, stimulation-fresh medium 5751.

nucleosome-associated histone/nonhistone protein/

phosphoprotein, characterization 4608.

protein biosynthesis, effect of vesicular stomatitis virus/

herpes simplex virus infection 2209.

Friend erythroleukaemia cell,

chromatin, globin gene distribution 3298.

herpes simplex virus infection, mRNA degradation,

requirement-protein biosynthesis 5598.

Friend leukaemia virus,

genome composition, changes during dimethyl sulphoxide

induced differentiation, erythroleukaemia cell 5674.

induction-leukaemia, association-xenotropic RNA sequence expression, mouse 5778.

infection, erythroleukaemia cell, histone biosynthesis 5310.

replication, mouse, inhibition-poly A (9-vinyl) 4184.

RNA subunit size 5681.

transformed mouse erythroleukaemia cell, cell-free system,

translation, effect of interferon 5605.

Frog virus 3,

early RNA biosynthesis, in vivo 4868.

regulation-protein biosynthesis/RNA biosynthesis, fathead minnow cell 2577.

Fructose 1,6-diphosphate,

inhibition-protein biosynthesis, rabbit reticulocyte, effect of NAD 5602.

stimulation-protein biosynthesis/tRNA fMet binding-ribosome, mammalian cell 2596.

Fuchsin (basic),

interaction DNA/RNA/polynucleotide 405.

Funaria hygrometrica,

DNA content 445.

Fungus,

differentiation, role-RNase, review 2509.

Furocoumarin,

interaction-phage λ DNA 4408.

Furylfuramide,

reaction-DNA in vitro 4968.

Fusarenon-X,

inhibition-ribosome function, eukaryote 3401.

Fusarium aquaeductuum,

poly (A)-containing mRNA, photoinduced biosynthesis 1441.

Fusarium graminearum,

DNA isolation, chromatography (affinity) 5838.

Fusarium moniliforme,

infected mango inflorescence, RNA/DNA content 354.

Gaeumannomyces graminis,

virus-like particle, RNA characterization 4841.

Galactosamine,

effect on rat liver nuclear ribonucleoprotein 596.

use-rRNA maturation study 1437.

Galactose,

operon, phage λ , containing, recombinant plasmid, construction 5167.

 β -Galactosidase,

biosynthesis, *Escherichia coli* K12, effect of nucleoside 5479.

expression, regulation, *Escherichia coli*, plasmid pBG120 determined 3980.

gene expression, *Escherichia coli*/rat myoblast, effect of uridine(5-bromodeoxy) substituted DNA 2543.

Gallus domesticus,

see also **Chicken**

genome, DNA sequence organization 3180.

histone H2B sequence, comparison-Xenopus laevis/*Crocodilus niloticus* 2882.

wing muscle, DNA biosynthesis/RNA biosynthesis/protein biosynthesis, during hypertrophy 3389.

GDP,

elongation factor G + ribosome complex, decay 1374.

elongation factor G + ribosome complex, turnover, effect of cation/antibiotic 1375.

enzymatic analysis 3354.

NMR, aqueous solution 1295.

GDP kinase,

activity, ribosome-associated 1144.

Gecarcinus lateralis,

genome, DNA organization 1550.

Geldanamycin,

effect on Rauscher leukaemia virus reverse transcriptase 4580.

Geldanamycin,(continued)

inhibition-deoxynucleotidyltransferase (terminal), human leukocyte, leukaemia/normal 6203.

Gene,

see also **Cistron**, **Operon**, **etc**

adenovirus (human) 2-specific, transcription-exogenous

RNA polymerase III, KB cell nucleus 1709.

aminoglycoside phosphotransferase, DNA, relationship-R factor/antibiotic-producing bacteria 5045.

assembly, immunoglobulin variable region, hypothesis 6091.

cloning, use-plasmid, review 3689.

conformation during transcription, chicken chromatin 608.

coupling factor I, chloroplast DNA + nuclear DNA-associated, *Nicotiana* 4541.

cytochrome c, *Saccharomyces cerevisiae* chromosome, mapping 4087.

cytochrome c oxidase, identification, *Saccharomyces cerevisiae* mitochondrial DNA 5052.

dihydrofolate reductase, carrying, DNA fragment, isolation-

Escherichia coli trimethoprim resistance R factor 5835.

dihydrofolate reductase, multiplication, methotrexate-resistant mouse sarcoma cell 5197.

DNA polymerase, identification, herpes simplex virus 2463.

early, SV40, organization/expression 2419.

excision-repair, mapping, *Bacillus subtilis* 1541.

expression, plasmid ColEI 5174.

expression, regulation, eukaryote, review 2514.

expression, *Xenopus laevis* oocyte 6125.

β -galactosidase, expression, *Escherichia coli* /rat myoblast, effect of uridine(5-bromodeoxy) substituted DNA 2543.

globin, analysis, normal/haemoglobin HbJ Mexico human haploid genome 522.

globin, biosynthesis, template dependence 5073.

globin, conformation, erythroleukaemia cell 5069.

globin, distribution, Friend erythroleukaemia cell chromatin 3298.

globin, isolation, mouse/human 2314.

globin, localization, Friend cell chromatin 1778.

β -globin, mapping-adjacent region, rabbit liver DNA 970.

β -globin, mouse, intervening DNA sequence, identification 3182.

globin, synthesis, use-DNA complementary-mRNA 3993.

α -globulin, transcription, male rat liver nucleus 5730.

haemagglutinin, reovirus, identification 6114.

hemagglutinin/neuraminidase, identification, influenza virus B 1959.

histone, transcript, characterization, *Strongylocentrotus purpuratus* 5709.

human globin, cleavage-restriction endonuclease 5235.

imidazoleglycerolphosphate dehydratase, yeast, cloning/expression-*Escherichia coli* 2798.

immunity, cloning, phage Mu 2059.

immunoglobulin, localization 5164.

immunoglobulin, mouse, organization, DNA restriction endonuclease EcoRI fragment 5967.

immunoglobulin light chain, cloning-plasmid pCR1- κ 40 6126.

immunoglobulin light chain, mouse immunoglobulin light chain, cloning/mapping 2013.

incompatibility, mapping, plasmid FI/plasmid FII 4994.

late, phage T4, transcription-phage T4 modified RNA polymerase in vitro 2823.

late, phage T7, transcription, regulation 2641.

loci, mapping, *Saccharomyces cerevisiae* mitochondrial DNA 5054.

mapping, avidin:biotin method, use-cytochrome c polyamine bridge 3507.

mapping, phage T7, use-DNA cloning 5012.

mapping, plasmid Clo DF13 3158.

mouse immunoglobulin, location-chromosome 4644.

mutation, tRNA Trp, effect on regulation-transcription termination 1337.

organization, plasmid Clo DF13, use-transposon probe 4991.

organization, tetracycline resistance determinant 4992.

ovalbumin, fragment, isolation, use-cloning 4539.

ovalbumin, organization, chicken DNA 3179.

ovalbumin, purification, chick DNA 1493.

ovalbumin, restriction endonuclease mapping, detection-intragenic DNA spacers 3550.

ovalbumin, sequence, chicken DNA 5962.

ovalbumin, transcription-RNA polymerase II, hen oviduct 3071.

overlapping, evolution 4526.

plasmid, detection-crown gall tumour, *Agrobacterium tumefaciens* -infected *Nicotiana tabacum* 5180.

protein VP2/protein VP3, SV40, nucleotide sequence 5027.

provirus, measurement, avian myeloblastosis virus-infected

chick cells, use complementary DNA hybridization 886.

recombination, C-type virus, mechanism 3241.

regulation, chromosome folding 1217.

ribosomal protein, *Bacillus subtilis*, mapping 5945.

ribosomal protein, *Bacillus subtilis*, role-sporulation regulation 6121.

ribosomal protein, carrying, *Escherichia coli* DNA, insertion-vector phage 2062.

ribosomal protein, *Chlamydomonas reinhardtii* chloroplast, localization 4456.

ribosomal protein, *Escherichia coli*, expression-vector phage clone, promoter identification 2000.

ribosomal protein, *Escherichia coli*, mapping 4451.

ribosomal protein, mapping, *Escherichia coli*, use-phage λ fus3 DNA 2001.

ribosomal protein, organization, *Escherichia coli* 1999.

ribosomal protein, phage λ fus2-carrying, organization/identification, *Escherichia coli* 1998.

ribulosebiphosphate carboxylase subunit, *Zea mays* chloroplast DNA fragment 2424.

tRNA, localization, *Escherichia coli* 3304.

tRNA Glu, localization-*Drosophila melanogaster* 3928.

tRNA Met, cloned fragment, transcription-*Xenopus laevis* oocyte 3086.

tRNA Met, cloned fragment, *Xenopus laevis*, sequence organization 5961.

tRNA Phe, yeast, structure 2359.

tRNA Tyr, *Escherichia coli*, transcription, termination site 5744.

tRNA Tyr/tRNA Phe, intervening sequence, transcription/processing 5563.

tRNA Val, 3'-terminal fragment, chemical/enzymatic synthesis 2551.

rRNA 19S/rRNA 26S, localization-*Physarum polycephalum* chromatin 4068.

RNA 4S, *Saccharomyces cerevisiae* mitochondrial DNA, mapping 963.

rRNA 5-8S, *Xenopus laevis*, mapping 5062.

rRNA 5S, *Saccharomyces cerevisiae*, localization 3448.

rRNA 5S, *Saccharomyces cerevisiae*, nucleotide sequence 2729.

rRNA 5S/tRNA, *Tetrahymena pyriformis*, characterization 3924.

RNA5S, heterogeneity, *Bacillus licheniformis* /*Bacillus subtilis* /*Bacillus Q* 955.

segment, phage Q ϕ coat protein, enzymatic synthesis 4189.

silk fibroin, *Bombyx mori*, cloning 2069.

structural, identification/mapping, use-DNA mRNA

Gene (continued)

- hybridization 1996.
- thymidine kinase + galactokinase, Chinese hamster, transfer-mouse cell 2070.
- thymidine kinase, herpes simplex virus, transfer-mouse cell 3986.
- thymidine kinase, transfer in vitro, herpes simplex virus 6117.
- transcriptionally active, *Amoeba proteus*, electron microscopy visualization 3921.
- transfer, human C-type virus, review 21.
- transforming, avian sarcoma virus, related RNA, occurrence-uninfected avian cell 2242.
- transforming, avian sarcoma virus, related RNA, uninfected avian cell, characterization 2258.
- tRNA, *Escherichia coli*, repair-UV-irradiation-induced lesion 1017.
- tumour antigen, SV40, nucleotide sequence 5024.
- variant protein, localization-*Saccharomyces cerevisiae* mitochondrial DNA 964.
- vitellogenin, expression, chicken liver nucleus, in vitro 4310.
- Gene (A),**
product, SV40, role-DNA biosynthesis regulation, transformed hamster cell 6014.
- protein, role-phage λ DNA packaging 2708.
- Gene (argF),**
regulation-transcription, *Escherichia coli* 1654.
- Gene (argI),**
regulation-transcription, *Escherichia coli* 1654.
- Gene (cdc),**
control-DNA replication, *Saccharomyces cerevisiae* 1620.
- Gene (cII),**
containing, phage λ DNA, nucleotide sequence 4430.
- Gene (cro),**
containing, phage λ DNA, nucleotide sequence 4430.
- phage λ , nucleotide sequence 1527.
- Gene (D),**
protein, role-phage λ DNA packaging 2709.
- Gene (dar),**
phage T4, role-DNA replication 5183, 5184.
- Gene (Dm225),**
Drosophila melanogaster, properties 5060.
- Gene (dnaA),**
Escherichia coli K12, role-DNA replication initiation 3189.
- production, *Escherichia coli* K12, role-DNA replication regulation 2397.
- requirement, DNA biosynthesis, plasmid pSC101 2016.
- Gene (dnaB),**
product, isolation/characterization, *Escherichia coli* 3605.
- protein, characterization/role-phage ϕ X174 DNA biosynthesis 5087.
- protein, *Escherichia coli*, role-phage ϕ X174 DNA biosynthesis 989.
- role-X-irradiation-induced DNA polymerase III-directed repair synthesis, *Escherichia coli* 486.
- Gene (dnaC),**
Escherichia coli K12, role-DNA replication initiation 3189.
- Gene (dnaG),**
protein, *Escherichia coli*, primer synthesis, characterization 6225.
- protein, *Escherichia coli*, purification/characterization, role-DNA primase 6226.
- protein, *Escherichia coli*, RNA primer, characterization, initiation-phage G4 DNA replication 5703.
- Gene (dnaJ),**
Escherichia coli, requirement-phage λ DNA synthesis 6000.
- expression/organization, *Escherichia coli* 6124.
- Gene (dnaK),**
Escherichia coli, requirement-phage λ DNA synthesis 6000.
- expression/organization, *Escherichia coli* 6124.
- Gene (gag),**
product precursor, biosynthesis, Rauscher leukaemia virus, cell-free system 3764.
- Gene (GAL4),**
dependence, uridyl transferase mRNA induction, *Saccharomyces cerevisiae* 4537.
- Gene (glyV),**
derived, tRNA Gly, *Escherichia coli*, characterization 5576.
- Gene (guaA),**
expression, insertion-colicin E1 DNA 521.
- Gene (ilv),**
region, restriction endonuclease mapping, *Escherichia coli* K12 DNA 2902.
- Gene (ilvA),**
mapping, *Escherichia coli* K12 2725.
- Gene (ilvC),**
mapping, *Escherichia coli* K12 2725.
- Gene (ilvD),**
mapping, *Escherichia coli* K12 2725.
- Gene (ilvE),**
mapping, *Escherichia coli* K12 2725.
- Gene (ini),**
Neurospora crassa, transformation 1661.
- Gene (IV),**
fragment, phage f1 DNA, nucleotide sequence 3529.
- Gene (K),**
identification, phage G4 4435.
- Gene (lacI),**
Escherichia coli, mutagenesis, specificity 2794.
- Escherichia coli*, mutation mapping 2723.
- Gene (lex),**
role-DNA repair, *Escherichia coli* /phage λ 6022.
- Gene (mak),**
Saccharomyces cerevisiae, requirement, killer maintenance 5193.
- Gene (N),**
protein, phage λ , identification 6108.
- Gene (nalA),**
Escherichia coli, role-DNA gyrase activity 2858.
- product, *Escherichia coli*, characterization, relationship-DNA gyrase 2857.
- Gene (O),**
product, role-phage λ DNA replication 3965.
- Gene (P),**
product, promotion-phage λ DNA replication initiation in vitro 2377.
- product, role-phage λ DNA replication 3965.
- Gene (pol),**
product precursor, biosynthesis, Rauscher leukaemia virus, cell-free system 3764.
- Gene (polA),**
Escherichia coli, effect on UV-irradiation treated phage T4 recombination 6110.
- Gene (rec),**
role-UV-irradiation-induced DNA repair, *Proteus mirabilis* 1589.
- Gene (recA),**
Escherichia coli, effect on UV-irradiation treated phage T4 recombination 6110.
- expression, regulation, *Escherichia coli* 4535.
- product, protein X, *Escherichia coli* 3244.
- role-plasmid F excision, *Escherichia coli* 1061.

- Gene (recB),**
product, role-thymineless death, *Escherichia coli* K12 2067.
- Gene (recBC),**
DNase, role-phage ϕ 80 prophage induction, *Escherichia coli* 5229.
- Gene (rep),**
transduction phage λ , *Escherichia coli* 2061.
- Gene (rifA),**
Escherichia coli, mapping 918.
- Gene (sarc),**
protein, translation-Rous sarcoma virus, RNA, cell-free system 2663.
- Gene (sep),**
localization, *Escherichia coli* 2356.
- Gene (src),**
avian sarcoma virus, role-transformation, review 3320.
substitution, occurrence-Rous sarcoma virus RNA genome 254.
- Gene (srnA),**
mapping, plasmid F 2417.
- Gene (tof),**
control-phage λ repressor expression 6104.
product, role-phage λ promoter(trp) mRNA stability 1651.
- Gene (trxA),**
mapping, *Escherichia coli* K12 1544.
- Gene (tuf),**
detection-*Escherichia coli* /*Salmonella typhimurium* DNA 5808.
mutant, *Escherichia coli*, kirromycin-resistant elongation factor Tu 2234.
- Gene (uvrA),**
Escherichia coli, effect on UV-irradiation treated phage T4 recombination 6110.
- Gene (uvrB),**
role-post replication repair, *Escherichia coli* gene(recF) mutant 1016.
- Gene (V),**
protein, phage M13, unwinding-DNA, NMR 1792.
- Gene (0.3),**
mRNA, phage T7, mapping-ribosome binding site 796.
protein biosynthesis, phage T7, effect of mutation 5673.
- Gene (2),**
product, role-resistance-restriction endonuclease, phage T4 DNA 2799.
- Gene (3),**
product, protein A, phage f1, complex-DNA, characterization 6313.
- Gene (31),**
temperature-sensitive mutant, phage SPO1, DNA biosynthesis 6048.
- Gene (4),**
protein, phage T7, DNA product, characterization 5008.
protein, phage T7, purification/characterization, stimulation-DNA polymerase 5359.
- Gene (401),**
role-adenovirus (human) 12 transformation, hamster embryo/rat cell 6113.
- Gene (5),**
product, phage f1, interaction-DNA/polynucleotide 3871.
- Gene rRNA, see rRNA gene,**
- Genome,**
Allomyces arbuscular, characterization 1546.
composition, Friend leukaemia virus, changes during dimethyl sulphoxide induced differentiation, erythroleukaemia cell 5674.
defective, polyoma virus, transcription 2752.
hepatitis virus B, characterization 5033.
- murine sarcoma virus, mapping 3049.
organisation, review 5374.
organization, adenovirus (human) subgroup B 442.
organization, eukaryote, review 2507.
organization, plasmid R6K 5001.
organization/expression, eukaryote, review 3691.
pigeon, poly d(A) content 4457.
pigeon erythrocyte, inactivation, role-histone H5 2487.
Tetrahymena pyriformis, distribution-repetitive DNA sequence 5947.
transcription, *Neurospora crassa* conidia, effect of ethylene glycol 4878.
- Geotrichum candidum,**
ribosome, structure, electron microscopy 4233.
- ribosome structure 203.
- Gerris najas,**
nurse cell, DNA/RNA biosynthesis during development 4507.
- GH1 cell,**
growth hormone mRNA, control-cortisol/thyroid hormone 2649.
- GH3 cell,**
RNA-protein interaction 4095.
- Gibberellic acid,**
effect on DNA turnover, *Hordeum vulgare* aleurone layer 485, 515.
effect on RNA biosynthesis/RNase activity, barley 3471.
- Gibberellin,**
effect on DNA repair- γ -irradiation damage, *Vicia faba* 2044.
- Ginseng,**
extract, effect on RNA biosynthesis/protein biosynthesis, rat kidney 856.
- Gliopathy,**
RNA biosynthesis inhibition rat 6-aminonicotinamide-induced acute 5765.
- Globin,**
m RNA, pigeon, poly(U) sequence 266.
m RNA, sequence characterization, duck erythrocyte 267.
adult/tadpole RNA sequence, occurrence-*Xenopus laevis* oocyte 235.
biosynthesis, control-translation repressor, rabbit reticulocyte cell-free system 2581.
biosynthesis, inhibition-colicin E3, rabbit cell-free system 4222.
coding region enrichment, chick reticulocyte chromatin 1772.
gene, analysis, normal/haemoglobin HbJ Mexico human haploid genome 522.
gene, biosynthesis, template dependence 5073.
gene, conformation, erythroleukaemia cell 5069.
gene, distribution, Friend erythroleukaemia cell chromatin 3298.
gene, DNA, biosynthesis, use-reverse transcriptase 3188.
gene, human, cleavage-restriction endonuclease 5235.
gene, synthesis, use-DNA complementary-mRNA 3993.
gene sequence, mouse/rabbit 2333.
rabbit, methionine incorporation, tRNA Met isoaccepting 3111.
rabbit, translation- m RNA, effect of potassium chloride/magnesium acetate/spermine, cell-free system 193.
mRNA, biosynthesis/structure, role- β -thalassaemia 5770.
mRNA, content, human, haemoglobin Hb Lepore 4809.
mRNA, cytoplasmic, biosynthesis, rabbit reticulocyte 3072.
mRNA, human, isolation/complementary DNA biosynthesis 3037.
mRNA, in vitro biosynthesis 2283.

Globin, (continued)

- mRNA, mouse, purification, use-Nitrocell S chromatography 3035.
- mRNA, mouse, 5'-terminal methylation sequence 4857.
- mRNA, physical properties, rabbit reticulocyte 3040.
- mRNA, precursor, characterization, chicken erythroblast 3818.
- mRNA, rabbit, stability, role-poly (A) 2973.
- mRNA, sequence, localization-RNA 16S 2270.
- mRNA, stability, during induction, mouse erythroleukemia cell 5787.
- mRNA, translation, inhibition GMP (7-methyl), effect of potassium concentration 1466.
- mRNA, translation, rabbit, inhibition-reticulocyte rRNA 4926.
- mRNA, translation in vitro, role-guanosine (7-methyl) 314.
- mRNA, *Xenopus laevis*, characterization 4845.
- mRNA, *Xenopus laevis*, in vitro translation 4918.
- mRNA, 15S precursor, occurrence-poly (A) sequence, chicken erythrocyte 3056.
- mRNA biosynthesis, dimethylsulphoxide-induced differentiation-mouse erythroleukaemia cell 5772.
- mRNA precursor, erythroid-enriched mouse bone marrow 4806.
- mRNA translation, recognition-5'-terminal 7-methylguanosine, rabbit 4367.
- mRNA 9S, melting properties, comparison-rRNA 28S/nuclear messenger-like RNA 28S, pigeon erythroid cell 1412.
- sequence, DNA, isolation, mouse/human 2314.
- specific, DNA, chromatin, distribution 615.
- transcription, chicken reticulocyte 1941.
- α -Globin,**
- mRNA, accumulation, mouse erythroleukaemia cell, effect of dimethylsulphoxide/butyric acid/hexamethylene bisacetamide/haemin 333.
- mRNA, accumulation during differentiation, mouse erythroid cell 2245.
- mRNA, human, 5'-terminal noncoding region, nucleotide sequence 1415.
- mRNA, human, 5'-terminus methylation, characterization 256.
- mRNA, precursor, characterization 3041.
- mRNA, precursor, purification-mouse erythroid cell 3033.
- mRNA, stability, human β^+ thalassemia 237.
- β -Globin,**
- biosynthesis, rabbit reticulocyte 751.
- gene, expression, Friend cell, effect of haemin 1083.
- gene, mapping-adjacent region, rabbit liver DNA 970.
- gene, mouse, intervening DNA sequence, identification 3182.
- gene, rabbit, coding sequence analysis 1557.
- gene, sequence, mouse DNA 5966.
- mRNA, content/regulation-globin biosynthesis, mammal reticulocyte 881.
- mRNA, accumulation, mouse erythroleukaemia cell, effect of dimethylsulphoxide/butyric acid/hexamethylene bisacetamide/haemin 333.
- mRNA, accumulation during differentiation, mouse erythroid cell 2245.
- mRNA, human, nucleotide sequence 4303.
- mRNA, human, 5'-terminus methylation, characterization 256.
- mRNA, human, 5'-terminal noncoding region, nucleotide sequence 1415.
- mRNA, human thalassemia, characterization 5714, 5715.
- mRNA, precursor, characterization 3041.

- mRNA, precursor, purification-mouse erythroid cell 3033.
- mRNA, precursor, transcription, mouse 3090.
- mRNA, stability, human β^+ thalassemia 237.
- α -Globulin,**
- gene, transcription, male rat liver nucleus 5730.
- growth-promoting, effect on DNA incorporation, L-cell 3191.
- γ -Globulin,**
- mRNA, isolation method 3036.
- Glucocorticoid,**
- binding-nucleus/cytoplasm, rat thymus cell, relationship-RNA biosynthesis, during development 1425.
- effect on casein mRNA, rabbit mammary gland 3079.
- effect on corticotropin mRNA activity, mouse pituitary tumour cell culture 4921.
- effect on mouse mammary tumour virus RNA biosynthesis, mammary gland tumour cell 3833.
- regulation-growth hormone mRNA biosynthesis, rat 837.
- regulation-RNA polymerase activity, rat thymus 3623.
- stabilization-casein mRNA, rabbit 4357.
- Glucocorticoid receptor,**
- liver, rats, DNA binding site, pyridoxal phosphate, effects on 654.
- Glucosamine,**
- effect on RNA biosynthesis, cell culture 3475.
- Glucose,**
- effect on RNA biosynthesis in vitro, diabetic mouse pancreas islet 860.
- repression-cytochrome c mRNA level, *Saccharomyces cerevisiae* 4916.
- role-RNA biosynthesis, bovine thyroid 4514.
- Glucose(2-Deoxy),**
- inhibition-yeast DNA repair synthesis 3953.
- Glucose 6-Phosphate,**
- inhibition-protein biosynthesis, rabbit reticulocyte, effect of NAD 5602.
- β -Glucuronidase,**
- mouse biosynthesis, 'mRNA-directed, *Xenopus* oocyte 339.
- Glutamate dehydrogenase,**
- mRNA, translation 1471.
- Glutamine synthetase,**
- accumulation, chick embryo neural retina, effect of cytosine arabinoside 120.
- Glutaraldehyde,**
- inhibition-nucleoside diphosphatase isoenzyme, onion root 1737.
- Glyceraldehydophosphate dehydrogenase,**
- identification-mammalian DNA-binding protein P8 1796.
- Glycerol,**
- effect on restriction endonuclease EcoRI substrate specificity 550.
- inhibition-RNA polymerase, mouse ascites tumour/liver 2096.
- Glycidaldehyde,**
- reaction-DNA, guanosine (deoxy) reaction product, identification 3133.
- Glycine (mercaptpropionyl),**
- effect on repair-irradiation-induced single-stranded breakage, Chinese hamster cell DNA 1029.
- Glycine max,**
- ATP content, effect of exogenous adenine/adenosine 1267.
- axes, ATP content, effect of adenine/adenosine 4684.
- cotyledon, protein biosynthesis, effect of age 2582.
- cotyledon, tRNA (tyrosyl) synthetase, purification/characterization 2573.
- cotyledons, ribosomes, ribonuclease activity 493.
- DNA, rRNA gene distribution 2737.

- embryo, DNA/RNA/protein biosynthesis during germination, effect of rapid ageing 3227.
- mitochondria, DNA, characterization 415.
- nuclei, fate-phage fd DNA 471.
- nucleus, binding/uptake-DNA 514.
- occurrence-leghaemoglobin gene DNA 5822.
- protein biosynthesis, translation control, role-cytokinin 3007.
- protein synthesis/polyribosome formation, regulation-cytokinin 1371.
- RNA biosynthesis, effect of dichloropicolinic acid 3093.
- seed, extraction-poly(A)-containing RNA, effect of ?pH 240.
- Glycolipid**,
stimulation-DNA polymerase activity, *Streptococcus pneumoniae* DNA-membrane fraction 6194.
- Glycoprotein**,
mRNA, vesicular stomatitis virus, binding-endoplasmic reticulum, dissociation-puromycin, CHO cell 876.
- Glyoxal**,
blocking-guanine-cytosine base pair formation, mouse DNA 3140.
- interaction-guanine, quantum study 4685.
- GMP**,
alkyl esters, interaction-ribonuclease T1, kinetics 502.
binding-glycogen phosphorylase b, conformation 1854.
copper ion complex, X-ray diffraction 5529.
determination, chromatography (high pressure) 2547.
interaction-flavin 1828.
periodate-oxidized, inhibition-hypoxanthine-guanine phosphoribosyltransferase 586.
Raman spectra 693, 4151.
reaction diammine platinum(II), Raman spectra 4156.
reaction-diammineplatinum (II) 4154.
self-assembly 2546.
- GMP (8-(6-aminohexyl)-amino)**,
synthesis 5530.
- GMP (cyclic)**,
modification-human RNA polymerase activity 554.
- dGMP**,
 γ -irradiation, ESR analysis 1298.
- GMP (methyl)**,
inhibition-globin mRNA/satellite tobacco necrosis virus RNA translation, effect of potassium concentration 1466.
- GMP (7-methyl)**,
cap analogue, inhibition-satellite tobacco necrosis virus/cowpea mosaic virus mRNA translation 4724.
- inhibition-mRNA translation, effect of potassium salt concentration/temperature, wheat germ/rabbit reticulocyte cell-free system 4723.
- 2'-GMP**,
purification-*Photobacterium phosphoreum* 1297.
- 3'-GMP**,
purification-*Photobacterium phosphoreum* 1297.
- GMP synthetase**,
characterization-glutamine binding site, *Escherichia coli* 623.
- Goat**,
goitre, localization-thyroglobulin mRNA 2605.
- Gold**,
complex, interaction-cytosine, NMR 649.
- Gold ion**,
interaction-DNA/RNA 4389.
- interaction-purine nucleoside/pyrimidine nucleoside/nucleotide, spectroscopy 89.
- Golgi apparatus**,
rat mammary gland, lactose biosynthesis-associated uridine nucleotide, role-nucleoside diphosphatase 1158.
- Goose**,
erythrocyte, nucleosome structure, effect of thermal denaturation 6277.
- Gorilla**,
chromosome, human satellite DNA complementary sequence distribution 456.
- Gossypium**,
see also **Cotton**
- Gossypium hirsutum**,
ovule, boron, interaction-uracil/(6-, in vitro 56.
- Gramineae**,
DNA, repetitive sequences, relationships 458.
- Granaticin B**,
inhibition-RNA biosynthesis, *Bacillus subtilis* 1947.
- Grasshopper**,
kinetochore, ribonucleoprotein occurrence 6236.
- Growth hormone**,
mRNA, translation, stimulation-triiodothyronine, rat pituitary gland tumour 343.
mRNA, biosynthesis, regulation-glucocorticoid/thyroid hormone, rat 837.
mRNA, GH1 cell, control-cortisol/thyroid hormone 2649.
mRNA, regulation-thyrotropin-releasing hormone, rat pituitary gland tumour cell 3470.
- GTP**,
activation-adenylate cyclase, rat liver 142.
assay, fluorimetry 692.
binding center localization, *Escherichia coli* elongation factor G 3414.
complex-elongation factor Tu/tRNA(aminoacyl), equilibrium study, *Escherichia coli* 776.
effect on melanoma B16 cell growth/differentiation 3355.
enzymatic analysis 3354.
interaction-poly (C), effect of pH 3736.
interaction-poly (C), neutral pH 2556.
NMR, aqueous solution 1295.
role-protein biosynthesis, review 4670.
- dGTP**,
tritiated, use-complementary DNA synthesis 4739.
- 3'-dGTP**,
synthesis 3731.
- GTPase**,
activity, dependence-*Escherichia coli* ribosomal protein L7/L12/elongation factor Tu 6213.
activity, elongation factor G, regulation, effect of pH/cation/polyamine 5645.
- Guanidine hydrochloride**,
effect on RNase conformation 3607.
- Guanine**,
alkylated derivative, amino group acidity 638.
analogue, synthesis 5407.
binding-chloroquine 4115.
binding-monovalent anion 38.
O⁶-cinnamyl ether, rearrangement 4686.
copper complex, IR-spectroscopy 1258.
effect of ultrasound 42.
ethylation-triethyl phosphite 2929.
interaction-glyoxal, quantum study 4685.
interaction-water, potential 1260.
polarization 4687.
Raman spectra 35.
tautomerism/stability 1257.
- Guanine (3,9-Dimethyl)**,
synthesis, conversion-Yt base 5408.

- Guanine (N²,3-Etheno)**, synthesis 2523.
- Guanine (1,N²-Etheno)**, synthesis 2523.
- Guanine (9-(2-hydroxyethoxymethyl))**, antiviral activity, herpes simplex virus 1 1829.
- Guanine (methyl)**, long-term persistence, rat brain DNA 1057.
- Guanine (O⁶-Methyl)**, assay, alkylated DNA 3710.
- formation, DNA, alkylation-1,2-dimethylhydrazine, rat-liver/colon/kidney 2690.
- Guanine (6-methyl)**, accumulation, rat bladder epithelium DNA, effect of N-methyl-N-nitrosourea 2688.
- Guanine (3-Methyl-8-Aza)hydrobromide**, structure, X-ray crystallography 5406.
- Guanine (9-Methyliso)**, structure, X-ray diffraction 23.
- Guanine (6-thio) nucleotide**, assay 3353.
- Guanine (6-thio)**, containing, RNA, rat, effect on protein biosynthesis in vitro 1956.
- metabolite, assay, chromatography (high performance liquid) + flow fluorometry 4721.
- Guanine deaminase**, sulphydryl group determination, pig brain 3634.
- Guanine insertion enzyme**, purification/characterization, *Escherichia coli*, purification/characterization-guanine insertion enzyme 585.
- Guanine nucleotide**, interaction-elongation factor G 2230.
- synthesis, *Schistosoma mansoni*, inhibition-adenosine(7-deaza)/adenosine(N⁶-phenyl) 679.
- Guanosine**, analysis method 1274.
- complex formation-poly (I) 2188.
- complex-mercuric chloride, structure 5466.
- containing, ribonucleotide, interaction-2-propanol 5537.
- interaction-flavin 1828.
- interaction-phenanthrene-9,10-oxide/7,12-dimethylbenz(a)anthracene-5,6-oxide 88.
- interaction-purine nucleoside, photochemistry 2162.
- N²-methyl derivative, synthesis 1835.
- reaction-*cis*-dichlorobis(1-methylimidazole-2-thiol)pa/*cis*-dichlorobis(1-methylimidazole-2-thiol)p, NMR 91.
- silver complex, NMR 2169.
- stimulation-proinsulin biosynthesis/insulin secretion, rat/mouse pancreas 2170.
- 2'-O-tetrahydropyran derivative, synthesis 3716.
- Guanosine (7-(aminomethyl)-7-Deaza)**, nucleoside Q precursor, *Escherichia coli* tRNA, structure determination 5464.
- Guanosine (2'-deoxy)**, complex formation-poly (I) 2188.
- Guanosine (trio-O-acetyl)**, acylation 668.
- Guanosine (2'-Amino-2'-Deoxy)**, effect on RNA/protein biosynthesis, *Escherichia coli* 2954.
- synthesis 3715.
- uptake, *Escherichia coli* 2953.
- Guanosine (8-Bromo)**, Raman spectra 4151.
- Guanosine (deoxy)**, amino group, role-restriction endonuclease EcoRI sequence recognition 2088.
- Guanosine (2'-deoxy-6-thio) monohydrate**, X-ray diffraction 1838.
- Guanosine (8-Iodo)monohydrate**, structure, X-ray crystallography 5465.
- Guanosine (methyl)**, lacking, reovirus/globin mRNA 5'-terminal, translation, role-initiation factor 1468.
- Guanosine (7-Methyl)**, content, Syrian hamster tRNA Leu/tRNA Met 2992.
- interaction-9-aminoacridine 4700.
- tRNA Val base, NMR 1841.
- role-globin mRNA translation in vitro 314.
- Guanosine (6-Thio)**, sulphur, labelling-tetrakis (acetoxymethyl)mercuric methane, *Escherichia coli* tRNA Val 3369.
- Guanosine 5'-Diphospho-5'-Guanosine**, occurrence-*Artemia salina* embryos 121.
- Guanosine(methyl) monophosphate**, inhibition-globin mRNA translation, rabbit reticulocyte 694.
- Guanosine nucleotide**, transfer-ATP pyrophosphate, *Escherichia coli* stringent factor 2549.
- Guanosine pentaphosphate**, biosynthesis, *Escherichia coli* ribosome, effect of poly (U) fragment 1373.
- biosynthesis, stimulation-tRNA, role-pseudouridine 4753.
- content, *Streptomyces griseus* 4725.
- synthesis, *Escherichia coli* mutant (spoT) ribosome 3021.
- synthesis, in vivo/in vitro, regulation-tRNA (aminoacyl) 727.
- Guanosine tetraphosphate**, association-chloroplast rRNA biosynthesis, *Chlamydomonas reinhardtii* 2278.
- biosynthesis, *Escherichia coli* ribosome, effect of poly (U) fragment 1373.
- content, *Streptomyces griseus* 4725.
- degradation, *Escherichia coli* 1300.
- degradation, *Escherichia coli* ribosome-associated enzyme 3261.
- metabolism, *Escherichia coli*, effect of-5a,6-anhydrotetracyclines 4876.
- synthesis, *Escherichia coli*, stimulation-modified tRNA Phe 4205.
- synthesis, in vivo/in vitro, regulation-tRNA (aminoacyl) 727.
- Guanosine 5'-Triphospho-5'-Adenosine**, occurrence-*Artemia salina* embryos 121.
- Guanylate cyclase**, activity, *Escherichia coli* elongation factor Ts 1380.
- Guanlyl imidodiphosphate**, activation-adenylate cyclase, rat liver 142.
- effect on adenylate cyclase activity, cardiac sarcolemma 5538.
- Guanlyl(methylene)diphosphonate**, activation-adenylate cyclase, rat liver 142.
- Guanlyl-(3',5')-adenine**, triphosphate/5'-pyrophosphate derivative, synthesis 5543.
- Guanlyl-(2',5')-guanine**, use-RNase isolation, chromatography (affinity) 3743.
- Guanlyl-(3',5')-guanine**, conformation, effect of benzo(a)pyrene-7,8-dihydrodiol,9,10-oxide modification, circular dichroism 2968.
- Raman spectra 4173.

Guanylyl-(3',5')-guanine,(continued)

triphosphate/5'-pyrophosphate derivative, synthesis/circular dichroism 5543.

Guanylyl-(3',5')-uridine,
separation method 1734.**Guinea pig,**

brain, nonhistone protein content 4622.

brain nucleus, histone thiol content 2127.

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, effect of X-irradiation 3210.

epidermis, distribution-nuclear DNA/nuclear RNA, during keratinization 513.

jejunum, adenosine uptake, effect of hexobendine/

dipyridamole/dilazep/lidoflazine/inosine 4146.

seminal vesicle epithelium, RNA polymerase, effect of castration/androgen administration 556.

Gynura aurantiaca,

citrus exocortis virus-infected, occurrence-complementary RNA 3028.

potato spindle tuber virus/citrus exocortis virus RNA sequence during replication 3050.

Gyrodinium,

chromosome, nucleogranule incorporation during mitosis 5348.

G1 phase,

see also **Cell cycle**

CHO cell, (tRNA (aminoacyl) synthetase complex 4766.

Tetrahymena, relationship-DNA content 977.

G2 phase,

chromatin condensation, late G2 phase 3667.

H-1 virus,

defective-interfering particles, characterization 5920.

Haemagglutinin,

gene, identification, influenza virus B 1959.

gene, reovirus, identification 6114.

Haemanthus katharinae,

chromosome, binding-actinomycin D, effect on histone isolation 2138.

Haematopoietic stem cell,

irradiated bone marrow, effect of DNA 1056.

Haemin,

effect on α -globin/ β -globin m RNA accumulation, mouse erythroleukaemia cell 333.

effect on β -globin gene expression, Friend cell 1083.

inhibition-initiation factor IF-2 phosphorylation 2229.

Haemocin,

inhibition-DNA biosynthesis, *Haemophilus influenzae* / *Escherichia coli* 3583.

Haemophilus aegyptius,

restriction endonuclease, cleavage-phage ϕ X174 DNA duplex region 1698.

Haemophilus gallinarum,

restriction endonuclease HgaII, recognition sequence 2449.

Haemophilus influenzae,

DNA biosynthesis, inhibition-haemocin 3583.

endonuclease Hin, degradation-transforming DNA 1669.

exodeoxyribonuclease III, associated

endodeoxyribonuclease, characterization 509.

plasmid, restriction endonuclease analysis 5886.

purification-endonuclease Hin 1697.

ribosome immunoprotective antigen, characterization 3020.

transformation, heterologous DNA 1657.

Haemophilus parainfluenzae,

methylated DNA, cleavage-restriction endonuclease MspI 513.

plasmid R mediated transfer-tetracycline/ampicillin resistance 1650.

Haemorrhagic septicaemia virus,

RNA, purification/characterization 786.

Halobacterium cutirubrum,

ribosomal protein conformation, CD 4231.

Haloperidol,

effect on DNA biosynthesis, rat pituitary gland 6016.

Hamster,

see also **Chinese hamster**

Bomirski melanoma, melanotic/amelanotic, DNA content 5816.

cell, transformed, DNA biosynthesis, regulation-SV40 gene (A) product 6014.

cell, transformed, mitochondrial DNA, restriction endonuclease cleavage map 3551.

cell line, SV40-transformed, relationship-mitomycin C/ethyl methanesulphonate induction-virus/sister chromatid exchange 4645.

DNA repair, effect of hyperthermia 1022.

embryo, cell culture, benzo(a)pyrene binding-DNA/RNA 3501.

embryo cell, DNA binding-7,12-dimethylbenz(a)anthracene, effect of 7.8-benzoflavone treatment 5860.

heart, nonhistone protein fractionation 5321.

heart, nonhistone protein phosphorylation 5319.

hypoxanthine-guanine phosphoribosyltransferase, antigenic properties 1145.

kidney cell, DNA biosynthesis, effect of city smog extract in vitro 6061.

lung, DNA biosynthesis, effect of nitrogen dioxide 497.

ovary, RNA biosynthesis during hibernation 4333.

plateau-phase cell, DNA repair, effect of α -irradiation/hyperthermia 2394.

protein biosynthesis during S phase, relationship-genome replication 1892.

rRNA 18S, 3'-terminal conformation 4302.

V-79 cell, DNA repair, UV-irradiation + post-irradiation-induced, comparison-human fibroblast 2041.

Hapten,

lactose-containing, modification-RNA 3'-terminal 3431.

Harman,

inhibition-benzo(a)pyrene binding-DNA 3134.

interaction-DNA 904.

Harvey sarcoma virus,

genome RNA organization, comparison-Kirsten sarcoma virus 4829.

unintegrated DNA, helper independent transformation 3242.

HCG,

glycosylated subunit, biosynthesis-ascites cell cell-free system, mRNA dependence 3489.

subunit biosynthesis during early/late pregnancy 191.

HD virus,

DNA, biological properties/mapping 2413.

Heart,

infarction, periphery, nuclear DNA content 1045.

rabbit, RNA biosynthesis during myocardial hypoxia/anoxia 2654.

rat, DNA biosynthesis activation following infarction 2776.

Heat shock,

induction-mRNA biosynthesis, *Drosophila melanogaster* 5759.

induction-*Saccharomyces cerevisiae* RNA degradation 4924.

locus, transcription, *Drosophila melanogaster* 820.

Heat shock,(continued)

specific RNA transcription, *Drosophila melanogaster* 3478.

Hedera helix,

chromosome DNA, structure/function, effect of age 5977.

HeLa cell,

r RNA, methylated nucleotide sequence, RNase fingerprinting 269.

N-methyl-N-nitrosourea antitumour activity, role-poly(ADP-ribose) polymerase 162.

adenovirus (human) 2 infected, characterization-replicative intermediate nucleoprotein (deoxyribo) 4600.

adenovirus (human) 2-infected, low-molecular weight RNA 4283.

adenovirus (human) 5 host range mutant DNA biosynthesis/protein biosynthesis 6010.

adenovirus (human) 5 infected, circular DNA-protein complex 625.

adenovirus-infected, isolation-polyribosome pool 1367.

adenovirus-infected, RNA synthesis, RNA characterization, effect of toycamycin 4830.

alkaline phosphatase activity, effect of uridine(5-iodo-2'-deoxy) 4711.

7-bromomethylbenz(a)anthracene-treated, DNA excision repair 1609.

carcinogen-induced DNA repair 1027.

chromatin, DNA-protein ratio, effect of hyperthermia 5343.

chromatin, RNA polymerase C transcription-rRNA 5S 825.

chromosome, effect of vermiculine 5353.

core particle, DNA, interaction-histone 5312.

cytoplasm, RNase (exo), purification/properties 1685.

cytoplasmic messenger-like RNA, biosynthesis, kinetics 2282.

DNA, determination-UV-irradiation damage/repair 493.

DNA, fractionation, density gradient centrifugation 894.

DNA, repair- γ -irradiation induced damage, effect of carcinogen 1602.

DNA, sedimentation properties, effect of lucanthone 914.

DNA biosynthesis, effect of n-butyrate 1047.

DNA biosynthesis, effect of TTP (2',3'-dideoxy) 4164.

DNA biosynthesis, inhibition-X-irradiation, effect of caffeine 2039.

DNA biosynthesis/RNA biosynthesis, effect of daunorubicin(4-demethoxy)/adriamycin(4-demethoxy) derivative, relationship-cytotoxicity 1613.

DNA replication, effect of protein biosynthesis inhibition 1052.

double-stranded RNase activity 3253.

fractionated chromatin, composition/template activity 1207.

growth in vitro, effect of bovine pancreas/seminal vesicle RNase 533.

histone m RNA biosynthesis 285.

histone acetylation, effect of n-butyrate 1762.

histone acetylation, effect of sodium butyrate 5303.

histone H1-poly (ADP-ribose) complex, properties 1188.

histone mRNA biosynthesis, during S phase, role-RNA polymerase II 4017.

histone mRNA polyadenylation 5786.

identification/characterization-nuclear RNA, biosynthesis-RNA polymerase I 1386.

identification-methylated ribosomal protein 4237.

in vitro, characterization-DNA biosynthesis 2746.

interferon-treated, presence-protein kinase/RNase (endo)/reovirus mRNA methylation inhibitor 1683.

inverted repeat DNA, nucleotide sequence 974.

isolation/properties-poliovirus 1-specific RNA replicase 563.

low-molecular weight nuclear RNA precursor/RNA 5S localization 4810.

measles virus-infected, DN biosynthesis, effect of DNAA-

suppressing factor 2753.

metaphase chromosome structure, role-nonhistone protein 1220.

mitochondrial DNA, mapping 3932.

mitochondrial poly(A)-containing RNA, detection-cap structure 4304.

mitochondrial RNA, fractionation-electrophoresis 3038.

native ribonucleoprotein, secondary structure-

RNA(heterogeneous nuclear) 1176.

nonhistone protein, role-histone gene expression 6254.

nuclear homogenate, RNA polymerase II transcript methylation/capping 3456.

nucleoid, supercoiled DNA 4468.

nucleoid, superhelical DNA, binding-ethidium 3887.

nucleoside transport, effect of streptolysin O 5502.

nucleosome, newly replicated DNA-associated, conformation 4626.

nucleosome DNA, interaction site histone amino terminal 2012.

5'-nucleotidase activity, effect of poliovirus 1 2854.

nucleus, RNA (heterogeneous nuclear)-associated protein phosphorylation 5301.

nucleus, RNA biosynthesis, *Xenopus laevis* oocyte 4313.

poliovirus infected, polyribosome-ribosome preparation, protein kinase activity 2221.

poly (ADP-ribose)-histone H1 complex, degradation-poly (ADP-ribose) glycohydrolase, effect of DNA 2786.

polyribosome, isolation-ribonucleoprotein (messenger), chromatography (affinity) 767.

protein biosynthesis, inhibition-modeccin 2580.

protein biosynthesis, relationship-tRNA aminoacylation 4206.

pseudorabies virus infected, protein biosynthesis, effect of ionic strength 3388.

ribonucleoprotein, phosphoprotein phosphatase, characterization 2873.

ribonucleoprotein phosphorylation 4604.

ribosomal protein, analysis 3397.

ribosomal protein biosynthesis/degradation, effect of rRNA biosynthesis 753.

ribosomal protein methylation 1370.

ribosomal subunit 60S, protein(acidic) analysis 768.

ribosomal subunit 60S acidic phosphoprotein, HeLa cell, comparison-rat 755.

ribosome, association-Semliki Forest virus capsid protein 1228.

mRNA, cap/methylated nucleotide distribution 3821.

RNA (heterogeneous nuclear), cap size distribution 813.

RNA (heterogeneous nuclear), nucleotide sequence 5716.

RNA (heterogeneous nuclear)-containing ribonucleoprotein, occurrence-low-molecular weight RNA 4811.

rRNA, uridine (pseudo) content 4299.

RNA biosynthesis, inhibition-poliovirus/mengovirus infection 5742.

RNA biosynthesis, 5'-terminal region, sequence analysis 3074.

RNA(heterogeneous nuclear), m RNA precursor 270.

rRNA 18S, biosynthesis-hypermodified nucleotide 1418.

rRNA 18S, methylated sequence, conformation 3450.

rRNA 5-8S, conformation, use-sodium bisulphite 5717.

rRNA 5S, 3'-terminal heterogeneity 2271.

sodium butyrate treatment, effect on acetylated histone H3/histone H4 accumulation/DNA degradation-DNase I 6238.

uridine uptake, inhibition-inosine (nitrobenzylthio) 5512.

vaccinia virus-infected, poly (A) polymerase isolation/characterization 1323.

vaccinia virus-infected, polynucleotide triphosphatase

HeLa cell, (continued)

- biosynthesis 2113.
- Helianthus annuus*,**
- DNA biosynthesis, rate/replicon properties 3194.
- rRNA metabolism, effect of boron 2299.
- Helianthus tuberosus*,**
- DNA biosynthesis/growth, effect of thermal shock 3591.

excised tuber slice, mRNA/ rRNA biosynthesis 286.

Heliomycin,

- inhibition-*Escherichia coli* RNA polymerase, cell-free system 6164.
- inhibition-purine/pyrimidine pool formation, *Staphylococcus aureus* /*Escherichia coli* 4692.

Helix-coil transition,

- DNA, effect of copper ion/magnesium ion 4413.
- DNA, effect of magnesium ion 4416.
- DNA, review 15.
- DNA-polyacetylation complex 423.
- nucleoprotein 3645.
- oligo (A-U), relaxation kinetics 1307.
- oligonucleotide, NMR 1303.
- oligonucleotide, polyelectrolyte theory 2963.

***Hemicentrotus pulcherrimus*,**

- DNA polymerase α /DNA polymerase β , polyanions, effects on 539.
- egg, localization-DNA polymerase α /DNA polymerase β 1725.
- embryo, DNA polymerase β , characterization 3271.

HEp-2 cell,

- DNA biosynthesis, effect of chromic chloride/potassium dichromate 3224.
- DNA biosynthesis, inhibition-poliovirus/mengovirus infection 5742.
- rRNA/protein biosynthesis, effect of temperature 5771.

tick-borne encephalitis virus-infected, UV-irradiation-treated, DNA repair 3578.

Heparin,

- displacement-*Escherichia coli* RNA polymerase binding-phase.T7 DNA 1700.
- effect on DNA polymerase/poly (ADP-ribose) polymerase activity, pig aorta nucleus 4020.
- effect on replicative/unscheduled DNA biosynthesis 1631.
- interaction-histone, relationship-chromatin organization during cell cycle 2880.
- stimulation-RNA transcription, rat liver, mechanism 313.
- use-DNA polymerase isolation, mouse myeloma 6193.
- use-ribosome/elongation factor/initiation factor isolation 3008.

Hepatectomy,

- partial, effect on DNA biosynthesis, rat lymphoid cell 1624.
- partial, effect on DNA methylation-dimethylnitrosamine, rat liver 2031.

Hepatitis,

human, treatment-ribavirin 5499.

Hepatitis B core antigen,

associated DNA polymerase activity 6192.

Hepatitis virus,

genome, characterization 5033.

Hepatitis virus A,

RNA, characterization 3803.

Hepatitis virus B,

DNA polymerase, inhibition-intercalating agent 2464.

infection, human, treatment-adenine arabinoside 4144.

Hepatocyte,

collagen membrane, unscheduled DNA-biosynthesis,

induction-carcinogen 6044.

mouse, cytoplasmic RNA content, effect of irradiation 4879.

nucleus, chromatin structure/transcription/RNA/nonhistone protein content, effect of α -amanitin 6266.

nucleus, mouse, DNA localization 889.

rat, DNA content, comparison-foetus/adult 2672.

rat, perichromatin granule, effect of cortisol/cycloheximide 1776.

rat, regenerating, chromatin ultrastructure 4064.

rat, thymidine transport 5506.

regenerating rat liver, DNA biosynthesis initiation, inhibition-colchicine 1632.

Hepatoma,

see also **Morris, Novikoff, Yoshida, etc**

cell, rat, CTP synthetase activity 2474.

cell culture, DNA biosynthesis/RNA biosynthesis/protein biosynthesis, effect of pyruvate 495.

mouse, chromatin, DNA fragment size/periodicity 4092.

N-nitrosodiethylamine-induced, mouse, DNA/RNA hybridization properties 5969.

rat, albumin mRNA translation, pre-proalbumin synthesis 1476.

rat, characterization-cytoplasmic RNA 1413.

rat, DNA, incorporation-uridine (bromodeoxy), effect on cytosine5-methyl content 1289.

rat, γ -irradiation/N-methyl-N-nitrosoarene-induced DNA degradation/repair 2042.

rat, ribonucleoprotein, protein composition, effect of 3'-methyl-4-dimethylaminoazobenzene 5300.

RNA, hybridization properties, during tumour progression 3060.

Hepatoma AH-130,

transport-polyribosome RNA, comparison-rat liver 329.

Herpes simplex virus,

- activity-pyrimidine nucleoside/analogue activity 115.
- activity-thymidine (5,6-dihydro-5-aza), antiviral agent 3350.
- acute/persistent infection, effect of uridine (iododeoxy)/uridine (2-deoxyethyl) 5513.

circular/circular-linear DNA, size 444.

DNA, palindrome sequence, electron microscopy 5031.

DNA biosynthesis, antiviral agent evaluation 6052.

DNA biosynthesis, BSC-1 cell, effect of hydroxyurea block 1012.

DNA polymerase gene, identification 2463.

effect of uridine (5-propyl-2'-deoxy) 2545.

encephalitis, therapy, pyrimidine analogue, review 1271.

encephalitis, treatment-adenine arabinoside/cytosine arabinoside 3340.

eye infection, treatment-adenine arabinoside/uridine (5-iodo-2'-deoxy) 4142.

eye infection, treatment-uridine (5-iodo-2'-deoxy)/adenine arabinoside/thymidine (trifluoro) 4143.

genital tract infection, adenine arabinoside treatment 2537.

induced DNA polymerase, purification/properties 2835.

induced pyrimidine deoxyribonucleoside kinase, association-dTMP kinase, mouse cell 6212.

induction-DNA biosynthesis, B lymphocyte, mouse 2750.

infected Chinese hamster cell, dCMP deaminase/CDP reductase analysis 4589.

infected human embryo lung cell, DNA repair replication 490.

infection, effect on RNA metabolism, adenovirus (human) 5-transformed rat embryo cell line 5740.

infection, Friend cell, effect on protein biosynthesis 2209.

infection, Friend erythroleukaemia cell, mRNA degradation,

Herpes simplex virus, (continued)

requirement-protein biosynthesis 5598.
 keratitis, effect of uridine(5'-ethyl-2'-deoxy) 1293.
 keratitis, human, treatment-adenine arabinoside/thymidine (trifluoro) 4706.
 keratitis, treatment, adenine arabinoside 4710.
 keratitis, treatment-cytidine (cycto)/adenine arabinoside 3728, 4148.
 related antigen, binding-chromosome, transformed human/mouse cell 6278.
 replication, cytomegalovirus-transformed human embryo cell line 6013.
 replication, inhibition-thymidine (deoxy) analogues 682.
 mRNA methylation inhibition, during infection 3830.
 RNA polymerase I/RNA polymerase II/RNA polymerase III activity, infected BHK21 C13 cell 5251.
 specific thymidine kinase mRNA, characterization 5679.
 stimulation-DNA biosynthesis, mouse spleen cell 3949.
 temperature-sensitive mutant, DNA polymerase, sensitivity-phosphonoacetate 1130.
 thymidine kinase gene, transfer-mouse cell 3986, 3987.
 thymidine kinase gene transfer in vitro 6117.
 thymidine kinase mRNA biosynthesis, regulation 5737.
 uridine (5'-iodo-2'-deoxy)/cytosine arabinoside/adenine arabinoside/thymidine (trifluoro)/purine (2-diamino) arabinoside antiviral agent 5484.
 uridine (5-propenyloxy)2'-deoxy antiviral activity 5503.
Herpes simplex virus 1,
 x herpes simplex virus 2, recombinant, DNA arrangement 443.
 defective DNA, origin, mapping 3168.
 DNA, association-host DNA, during productive infection-BSC-1 cell 1070.
 DNA, fate-normal/photoinactivated virus infected cell 3230.
 DNA, methylation during replication 993.
 DNA, restriction endonuclease HindIII fragment, amplification 5032.
 DNA, structure 5915.
 DNA biosynthesis, cell-free system 1577.
 DNA biosynthesis, effect of temperature-sensitive cell cycle mutant, BHK-21 cell 1619.
 DNA biosynthesis, infected HeLa cell chromatin 3570.
 DNA biosynthesis, infected XC cell 6009.
 DNA biosynthesis, inhibition-adenine arabinoside 5483.
 DNA biosynthesis in vitro, product structure/degradation 1668.
 DNA biosynthesis/packaging, during virus passages, RC-37 cell 6011.
 DNA transcription, regulation/transcript location 833.
 early DNA transcript, mapping, electron microscopy 4281.
 guanine (9-(2-hydroxyethoxymethyl)) antiviral activity 1829.
 infected BHK cell, RNase (endo)/RNase (exo) activity during DNA biosynthesis 5216.
 infection, adenine (arabinosyl-N⁶-hydroxy) antiviral activity 5488.
 infection, human lymphocyte, virus expression/DNA biosynthesis 6012.
 infection, mouse, treatment-adenine arabinoside/AMP arabinoside 113.
 UV-irradiation-treated, DNA replication, BSC-1 cell 3571.
 latent infection, rabbit ganglion, effect of uridine (5-bromo-2'-deoxy) 5511.
 phosphonoacetic acid-resistant mutant, DNA polymerase, characterization 2465.
 resistance-uridine (5'-iodo-2'-deoxy)/ribavirin 5515.
 thymidine kinase, assay, use-iodine-125 labelled

cytidine(deoxy) 1156.
 thymidine kinase, selective inhibition-thymidine (deoxy) analogue 5505.
 x herpes simplex virus 2, recombinant DNA mapping 4439.
Herpes simplex virus 2,
 x herpes simplex virus 1, recombinant, DNA arrangement 443.
 DNA, restriction endonuclease cleavage map 3912.
 experimental infection, treatment, use-adenine arabinoside/AMP arabinoside 1299.
 infection, effect of ribavirin 5495.
 infection, mouse, effect of poly (I-C)/poly (I-C)-poly-L-lysine complex 5555.
 inhibition-cytidine (deoxy) halogen analogue, pyrimidine nucleoside kinase induction 3349.
 temperature-sensitive mutant, infected BHK cell, DNase (alkaline) activity 4006.
 thymidine kinase, selective inhibition-thymidine (deoxy) analogue 5505.
 x herpes simplex virus 1, recombinant DNA mapping 4439.
Herpesvirus,
 infection, thymine arabinoside/cytosine (5-methyl)arabinoside antiviral activity 5507.
 structure/properties, review 11.
Herpesvirus (equine) 1,
 hepatitis, effect of ribavirin, hamster 5521.
Herpesvirus ateles,
 DNA, homology-Herpesvirus saimiri 1539.
Herpesvirus saimiri,
 DNA, homology-Herpesvirus ateles 1539.
Herring,
 sperm, DNA, isolation-nucleotide 4157.
 sperm, DNA fragments, isolation 330.
 sperm, nucleus, deoxyribonucleoprotein, composition 6235.
Heterochromatin,
 see also **Chromatin**
 DNA, *Peromyscus eremicus*, transcript RNA, characterization 2630.
Drosophila hydei, repetitive DNA, characterization 5332, 5334.
Drosophila hydei, repetitive DNA, characterization 5333.
Drosophila melanogaster, role-satellite DNA function 2888.
Ephestia kuehniella, structure/replication/transcription 4062.
 histone content analysis, mouse hepatoma 2896.
 premeiotic DNA biosynthesis, *Lilium longiflorum* 471.
 relationship-perinuclear DNA 882.
 role-*Cymbidium* evolution 5976.
Sciara coprophila, localization-rRNA gene 1768.
 structure, *Drosophila melanogaster* 1783.
Triatoma infestans, histone cytochemistry 1197.
Hevea brasiliensis,
 ribosome, characterization 3777.
 RNA biosynthesis/ribosome polymerization, effect of 2-chloroethylphosphonic acid 2298.
12-O-Hexadecanoylphorbol-13-acetate,
 effect on DNA biosynthesis, mouse skin 2777.
Hexamethylene bisacetamide,
 effect on α -globin/ β -globin γ -mRNA accumulation, mouse erythroleukemia cell 333.
Hippocampus,
 rat, localization-5'-nucleotidase 4587.
 rat, mRNA metabolism during learning 1450.
Histidine,
 complex-AMP, NMR 2956.
 starvation, effect on α -rRNA methylation, Ehrlich ascites cell 317.

L-Histidinol,

inhibition-protein biosynthesis/rRNA biosynthesis, mouse L cell 1953.

Histone,

m RNA biosynthesis, HeLa cell 285.

acetylation, effect of n-butyrate, HeLa cell/Friend cell/erythroleukaemia cell 1762.

acetylation, HeLa cell, effect of sodium butyrate 5303.

acetylation, rat brain, modulation-adrenaline/noradrenaline 5306.

acetylation, rat brain during development/age 4312.

acetylation, rat liver chromatin, effect of age 3294.

acetylation-sodium butyrate 4052.

acylation-1,3-diphosphoglycerate 2877.

ADP-ribosylated, purification/characterization, rat liver 3655.

ADP-ribosylation, rat liver, effect of polyamine 6251.

aggregate, organization, microscopy 4054.

amino terminal, interaction site-HeLa cell nucleosome DNA 2012.

analysis, *Bombyx mori* testis 6244.

analysis, *Chironomus plumosus* larva 4619.

analysis, during postnatal development, rat testis, interaction-DNA 4607.

assembly-chromatin, mouse cell culture 5331.

association-SV40 replicating DNA 1756.

binding-benzo(a)pyrene, activation-microsome/nuclear envelope 1977.

binding-benzo(a)pyrene, rat liver/lung 2691.

binding-DNA, phosphorylation 4609.

binding-nucleosome, chick erythrocyte/calf thymus 4631.

binding protein, mouse liver, characterization, chromatography (affinity) 2881.

biosynthesis, *Artemia salina* embryo poly (A)-lacking RNA template activity 4353.

biosynthesis, during SV40 infection, BSC-1 1758.

biosynthesis, Friend leukaemia virus-infected erythroleukaemia cell 5310.

biosynthesis, human fibroblast, fidelity, effect of age 4605.

biosynthesis, regenerating rat liver, inhibition- α -amanitin 4055.

biosynthesis, relationship-DNA replication, *vicia faba* embryo during germination 5080.

biosynthesis, reovirus-infected L929 cell 6006.

biosynthesis, stimulation-12-O-tetradecanoylphorbol-13-acetate/phorbol, mouse epidermis 1761.

bovine, hydroxyapatite chromatography (column) 605.

brain, effect on DNA biosynthesis in vitro 2875.

calf thymus, complex-plasmid λ dv 21 DNA, reconstitution 6245.

calf thymus/rat liver, interaction-captan/folpet 5307.

characterization, bovine testis/adrenal gland/pancreas 1759.

characterization, *Oxytricha* 603.

CHO cell, phosphorylation during mitosis 3674.

complex, NMR 3654.

complex-DNA + nonhistone protein, centrifugation 4060.

complex-DNA, effect of polyamine, calf thymus 3296.

complex-DNA, reconstituted, nucleosome core structure 6240.

complex-DNA, reconstitution 4056.

complex-histone, denaturation/template activity 2879.

complex-SV40 DNA, characterization, use-4,5',8'-trimethylpsoralen 5311.

composition, Chinese hamster cell nucleosome 1186.

composition, rRNA gene-containing chromatin, *Tetrahymena pyriformis* macronucleus 4638.

composition, *Saccharomyces cerevisiae* chromatin 6270.

content, analysis, mouse hepatoma euchromatin/heterochromatin 2896.

content, cattle, normal/leukaemia (lymphatic) 4936.

content, *Euglena gracilis* /*Asiatia longa* 5811.

content, myocardium, during heart hypertrophy, rat 597.

content, rat liver, effect of biotin treatment 1043.

content, relationship-DNA, chromatin 4085.

content, *Triturus pyrrhogaster* embryos during development 3656.

core complex, characterization, chicken erythrocyte 3657.

cross-linking-methylacetimidate, rat liver nucleosome 6239.

cross-linking study, rat liver 2490.

cytochemistry, *Triatoma infestans* heterochromatin/euchromatin 1197.

deacetylation, inhibition-sodium butyrate, cell culture 3652.

depleted, metaphase chromosome, structure 1218.

DNA complex, nucleosome 3659.

effects on RNase/ATPase/phosphatase activity, *Escherichia coli* /*Staphylococcus aureus* 3295.

electrophoresis 1179.

evolution 4613.

fractionation, *Euglena gracilis* 3291.

Friend cell nucleosome-associated, characterization 4608.

gene, expression, HeLa cell, role-nonhistone protein 6254.

gene, regulation, review 5368.

gene, *Strongylocentrotus purpuratus*, repetitive, length/sequence heterogeneity 5058.

gene transcript, characterization, *Strongylocentrotus purpuratus* 5709.

gene transcription, *Strongylocentrotus purpuratus* development 4855.

hyperacetylated, associated DNA, digestion-DNase I 5200.

H1 post-synthetic, review 4677.

immobilized, use-DNA chromatography (column) 3124.

incorporation-cystamine, effect on chromatin degradation/sulphydryl group level 4067.

inhibition-DNA biosynthesis, *Chlamydomonas reinhardtii* 3220.

interaction-DNA, calf thymus chromatin 3297.

interaction-DNA, characterization, calf thymus chromatin 1183.

interaction-DNA, circular dichroism/thermal denaturation 2123.

interaction-HeLa cell core particle DNA 5312.

interaction-heparin, relationship-chromatin organization during cell cycle 2880.

interaction/modification, role-chromatin structure, review 6252.

isolation, *Haemanthus katharinae* chromosome, effect of actinomycin D 2138.

isolation, *Peridinium balticum* chromatin 2136.

localization- m RNA sequence, *Drosophila melanogaster* chromosome 616.

lysine-rich, removal; effect on DNA polymerase/poly (ADP-ribose) polymerase activity, pig aorta nucleus 4020.

methylation, rat brain nucleus 1180.

modified, content, chromatin, trout testis 1195.

mouse thymus/liver/seminiferous epithelium, electrophoresis 5304.

mRNA, biosynthesis, *Oryza sativa* embryo 826.

Neurospora crassa, amino acid sequence 2486.

octamer structure, characterization 2876.

pattern, chromatin nucleosome/polynucleosome 5338.

pattern, *Xenopus* development 4053.

peptide, *Xenopus laevis*, detection method, use-fluorescamine 3660.

phosphorylation, relationship-age, effect of calcium 3292.

Histone.(continued)

phosphorylation during spermiogenesis, mammalian testis sperm 4618.
 protection-DNA, nuclease activity 1189.
 rat thymus, effect of γ -irradiation 2878.
 reconstituted, effect of oestrogen 3293.
 mRNA, *Drosophila melanogaster*, analysis, use-electrophoresis 2610.
 mRNA, fate-mengovirus infected Ehrlich ascites cell 3485.
 mRNA, sea urchin egg/embryo, localization 5656.
 mRNA, *Xenopus laevis* oocyte, stabilization-3'-terminal poly(A) 4366.
 mRNA biosynthesis, HeLa cell, during S phase, role-RNA polymerase II 4017.
 mRNA polyadenylation, HeLa cell 5786.
 role-restriction-chromatin activity during *Chara vulgaris* development 602.
Saccharomyces cerevisiae, characterization 6248.
Saccharomyces cerevisiae chromatin, electrophoresis 6243.
 sea urchin, separation-ribosomal protein, electrophoresis 6249.
 sequence, nucleosome DNA, Ehrlich ascites carcinoma 1184.
 stimulation-nuclear phosphoprotein phosphorylation 1190.
 thiol content, guinea pig/rat/rabbit brain nucleus 2127.
Histone H1,
 amino acid sequence, comparison thymus/*Secale cereale* 601.
 binding-DNA, characterization 5302.
 complex-DNA, binding-actinomycin D, model nucleoprotein 6250.
 complex-DNA, interaction-actinomycin D/netropsin 4617.
 complex-poly (ADP-ribose), properties, HeLa cell 1188.
 conformation/interaction-DNA, effect of phosphorylation, NMR 2124.
 content, rat liver chromatin 5335.
 cross-linking-DNA, mechanism 6241.
 distribution-nuclease digested chromatin 1187.
 heterogeneity, Ehrlich ascites cell, effect of mengovirus infection 5305.
 interaction-DNA, turbidity study 3658.
 interaction-SV40 closed circular/superhelical DNA 4612.
 localization-*Drosophila melanogaster* polytene chromosome 1712.
 modification, rat pancreas, effect of partial pancreatectomy/protein-free ethionine 2126.
 mouse, electrophoresis 4616.
 NMR 5309.
 pattern, mouse chromatin, effect of age 3289.
 phosphorylated, binding-DNA in vitro 5314.
 phosphorylated, relationship-satellite DNA, *Drosophila virilis* 2883.
 phosphorylation site, *Strongylocentrotus intermedius* protein kinase 2125.
 poly (ADP-ribose) complex, HeLa cell, degradation-poly (ADP-ribose) glycohydrolase, effect of DNA 2786.
 precipitation, use-mouse DNA fractionation 3865.
 role-chromatin condensation 4073.
 role-chromatin structure 614.
 specific degradation 1182.
 subfraction composition, bird 5313.
 trout testis, amino acid sequence 600.
Histone H2a,
 amino acid sequence, comparison-thymus/*Secale cereale* 601.
 chicken erythrocyte, amino acid sequence 6246.
 complex-DNA + histone H2B, transcription/electron microscopy 4615.

conformation, self-association 4606.
 fragment, calf thymus, synthesis 6242.
 mRNA biosynthesis, *Strongylocentrotus purpuratus* development 4856.
Histone H2b,
 amino acid sequence, comparison-thymus/*Secale cereale* 601.
 complex-DNA + histone H2A, transcription/electron microscopy 4615.
 mRNA biosynthesis, *Strongylocentrotus purpuratus* development 4856.
Salmo trutta, primary structure 6247.
 sequence, comparison-*Xenopus laevis* /*Crocodylus niloticus* /*Gallus domesticus* 2882.
Histone H3,
 acetylated, accumulation, effect of sodium butyrate treatment, HeLa cell 6238.
 antiserum, use-*Drosophila* chromosome analysis 6295.
 avian erythrocyte, disulphide dimer formation, role-nucleosome structure 2874.
 chicken erythrocyte, purification/properties 2488.
 complex-DNA + histone H4, transcription/electron microscopy 4615.
 mouse, electrophoresis 4616.
 specific degradation 1182.
Histone H4,
 acetylated, accumulation, effect of sodium butyrate treatment, HeLa cell 6238.
 antiserum, use-*Drosophila* chromosome analysis 6295.
 calf thymus, secondary structure 1185.
 complex-DNA + histone H3, transcription/electron microscopy 4615.
 conformation, self-association 4606.
 fibre, subunit arrangement 604.
 model, synthesis, interaction-DNA 3290.
 mouse, electrophoresis 4616.
 synthetic fragment, interaction-DNA 5842.
Histone H5,
 chick embryo, association-DNA biosynthesis 6056.
 determination, fish erythrocyte 2489.
 phosphorylation site, chicken erythrocyte 4611.
 role-pigeon erythrocyte genome inactivation 2487.
Histone kinase,
 histone H3-specific, purification/characterization, thymus, cattle 598.
Histone-lysine methyltransferase,
 purification/characterization, rat brain 1166.
Histone phosphatase,
 rat liver, characterization 4614.
Histoplasma capsulatum,
 ribonucleotide polymerase, characterization, role 1128.
 RNA polymerase, inhibition-rifamycin derivative 2455.
Hodgkin's disease,
 tRNA degradation product urinary excretion 722.
Hoechst 33258,
 combination-uridine (5-bromodeoxy), induction-sister chromatid exchange, Chinese hamster cell 6290.
Hog,
 brain, microtubule-associated protein, binding-mouse satellite DNA 536?
 pancreas, tRNA(tyrosyl) synthetase, complex-yeast tRNA Tyr 182.
Hog cholera virus,
 RNA, characterization 247.
Homalozoon vermiculare,
 DNA biosynthesis 5986.

Homocysteine,

effects on DNA biosynthesis, human bone marrow cells 459.

Hordeum,

see also **Wheat**

DNA repair, N-methyl-N-nitrosourea-induced, stimulation-sodium azide 4502.

seed, DNA polymerase activity, effect of age 6191.

waxy mutant, effect of exogenous DNA 4525.

Hordeum vulgare,

aleurone cell nucleus, DNA content during development 2312.

aleurone layer, DNA turnover, effect of gibberellic acid 485, 515.

DNA apurinic site-specific endonuclease, isolation/characterization 5204.

effect of soil DNA/RNA 3235.

embryo, DNA apurinic site-specific endonuclease, isolation 1692.

leaf, chlorophyll a/b protein apoprotein mRNA, induction-light 4360.

protoplast DNA, isolation 2681.

RNA polymerase activity, effect of cytokinin during leaf 3618.

satellite DNA, denaturation/reassociation properties 416.

seed, α -amylase properties, effect of uracil (5-fluoro) 5440.

uptake-*Bacillus subtilis* DNA 5163.

Hormone,

see also **specific hormones**

effect on DNA biosynthesis, rat mammary gland epithelium, normal/neoplastic 1031.

plant, regulation-RNA metabolism, review 12.

replacement, effect on DNA/RNA content, rat mammary gland 1581.

Horse,

cell, equine infectious anaemia virus infected, detection-provirus DNA 4929.

Host factor,

RNA-binding protein, phage Q β , use-phylogeny study, *Pseudomonas* 4652.

Human,

adenosine deaminase, expression, deficient choriocarcinoma cell, following fusion-mouse fibroblast 3275.

adenosine deaminase deficiency, association-immunodeficiency 2855.

amniotic fluid, DNA replication, time pattern 5993.

ankylosing spondylitis, DNA antibody occurrence 4599.

B/T-lymphocyte, DNA biosynthesis, stimulation-

Staphylococcus aureus protein A 5148.

bladder carcinoma, adenosine deaminase activity 5285.

blood, DNA/RNA content, association-rheumatic fever 2673.

blood lymphocyte, release-RNA/DNA, characterization 1058.

cell, DNA excision repair rate, control-nucleosome structure 3213.

cell, DNA repair, effect of acridine mustard ICR 191/N-methyl-N'-nitro-N-nitrosoguanidine 2386.

cell, repair-cis-platinum(II)diammine chloride-induced DNA damage 6039.

cell, supercoiled DNA, dissociation-nuclear protein 2485.

cell, transformed, chromosome binding-herpes simplex virus-related antigen 6278.

cell culture, DNA biosynthesis duration, relationship-replication fork movement 2071.

cell culture, uptake-bacteria/phage T4 DNA 3592.

cell line, UV-irradiation-treated, thymine dimer excision, kinetics 5117.

cell line, repair-deficient, activity-DNA apurinic site-specific endonuclease 4548.

central nervous system, RNA/DNA content, effect of death 2606.

cerebrospinal fluid, DNA determination 3119.

chromatin, distribution-UV-irradiation-induced DNA repair synthesis 4499.

chromosome, comparison-primate 1789.

chromosome, DNA content/base ratio 6287.

chromosome, effect of triethylenemelamine 4646.

chromosome, localization-repetitive DNA 2899.

chromosome, mapping- $\langle t \rangle$ RNA(tryptophanyl)synthetase gene 617.

chromosome, structure 6286.

chromosome Y, DNA sequence 3930.

chromosome Y, DNA sequence organization 6283.

chronic rheumatism, DNA biosynthesis/repair, effect of radioactivity 2760.

diploid cell culture, DNA biosynthesis 468.

DNA, photochemical lesion, detection-peroxidase 2311.

DNA biosynthesis, autoradiography 4479.

DNA biosynthesis, psoriasis/normal epidermis 462.

DNA excision repair, effect of 2-chloroethyl-isocyanate 4497.

DNA polymerase β , in vitro activity, effect of manganese ion 2099.

embryo, cell line, cytomegalovirus-transformed, herpes simplex virus replication 6013.

embryo lung cell, herpes simplex virus-infected, DNA repair replication 490.

epidermis, ribonuclease, characterization 2804.

erythrocyte, purine nucleoside phosphorylase, purification/characterization 4585.

fibroblast, cell culture, protein biosynthesis regulation 3006.

fibroblast, DNA biosynthesis, stimulation-thrombin 4517.

fibroblast, irradiated, nuclear DNA binding-8-methoxypsoralen 2698.

fibroblast, normal/SV40-transformed, rRNA metabolism 2281.

fibroblast, protein biosynthesis inhibition, effect on mRNA accumulation 874.

foreskin fibroblast, varicella-zoster virus-infected, pyrimidine (deoxy) nucleoside metabolism 2540.

glandular endometrium epithelium, DNA content, effect of climacteric dyshormonal hyperplasia 501.

globin gene, cleavage-restriction endonuclease 5235.

α -globin/ β -globin mRNA 5'-terminal noncoding region, nucleotide sequence 1415.

β -globin mRNA, comparison-rabbit, evolution 2631.

globin mRNA, isolation/complementary DNA biosynthesis 3037.

β -globin mRNA, nucleotide sequence 4303.

haploid genome, analysis-globin gene, normal/haemoglobin HbJ Mexico 522.

herpes simplex virus keratitis, treatment-adenine arabinoside/thymidine (trifluoro) 4706.

KB cell, cell-free system, protein biosynthesis, misreading, stimulation-antibiotic 3408.

kidney cell, DNA breakage/repair, effect of γ -irradiation/iodine-125 6038.

leukocyte, mitochondrial DNA structure/replicative form, effect of age 4464.

leukocyte, normal/leukaemia, rRNA/nonhistone protein/chromatin, comparison, review 5392.

leukocyte, phage f2 double-stranded RNA, induction-

Human,(continued)

- interferon 3097.
- lung carcinoma treatment, adriamycin-DNA complex 5160.
- lung embryo cell, growth in vitro, effect of bovine pancreas/seminal vesicle RNase 533.
- lung tissue, DNA-benzo(a)pyrene adduct, characterization 2322.
- lymph node, DNA/RNA biosynthesis, effect of prednisolone 1946.
- lymphoblast, methotrexate-treated, polynucleotide biosynthesis, DNA chain growth mechanism 4188.
- lymphocyte, blast transformation, effect of bovine pancreas/bull seminal RNase 5212.
- lymphocyte, chromosome XO, DNA/RNA/protein biosynthesis 2402.
- lymphocyte, DNA biosynthesis/protein biosynthesis, effect of auranofin 2781.
- lymphocyte, DNA repair 1597.
- lymphocyte, free ribosome activation during growth induction 3018.
- lymphocyte, herpes simplex virus 1 infection, virus expression/DNA biosynthesis 6012.
- lymphocyte, isolation/characterization-nascent DNA-associated RNA 812.
- lymphocyte, RNA content 3425.
- lymphocyte, sister chromatid exchange frequency 6302.
- lymphocyte, thymidine kinase, induction-phytohaemagglutinin 577.
- lymphocyte development, effect of adenosine deaminase/purine nucleoside phosphorylase deficiency 2471.
- mammary gland tissue explant, DNA biosynthesis, effect of oestradiol/progesterone 3203.
- metaphase chromosome, electron microscopy 1790.
- mitochondrial DNA 7S, analysis 3185.
- myeloblast, labelling-uridine (iododeoxy) 1291.
- normal/cystic fibrosis, RNase activity 6133.
- normal/leukaemia (lymphoid) lymphocyte, low-molecular weight nuclear RNA 3820.
- normal/precancerous/cancerous cervix fibroblast, DNA repair following methyl nitrosourea carcinogenesis 2762.
- normal/thalassaemia, globin gene sequence-containing DNA restriction endonuclease fragment 3184.
- normal/transformed cell, DNA strand breakage, induction-1,3-bis(2-chloroethyl)-1-nitrosourea 1981.
- normal/tumour lymphoid cell, DNA distribution 2675.
- nucleotide pyrophosphatase/phosphodiesterase I, organ distribution/characterization 1160.
- osteoporosis, DNA metabolism, effect of sodium fluoride 6066.
- ovary/prostate tumour, detection-reverse transcriptase activity 5269.
- placenta, tRNA Val, nucleotide sequence, comparison-mouse myeloma 171.
- placenta, adenosine (5'-methylthio) nucleosidase, purification/characterization 4038.
- placenta, tRNA (aminoacyl) synthetase detection/purification 1341.
- placenta, tRNA (phenylalanyl) synthetase, specific activity 4209.
- placenta, RNase activity, effect of maternal malnutrition 530.
- placenta, RNase inhibitor, purification/characterization 537.
- placental lactogen, biosynthesis, regulation-mRNA, review 4099.
- platelet, occurrence-DNA polymerase γ 3627.
- platelet, RNase, characterization 2079.
- platelet, surface, binding-DNA 403.
- polynucleotide, interferon induction 2557.
- repair deficiency, association-cancer, review 2918.
- repetitive-DNA, simple/complex sequence 4466.
- restriction endonuclease DNA degradation, antibody-mediated cytotoxicity 2425.
- RNA polymerase activity, modification-GMP(cyclic) 554.
- rRNA 18S, 3'-terminal conformation 4302.
- RNase, isolation/characterization/origin 2435.
- sarcoma/leukaemia, DNA, detection-C-type virus related gene 5819.
- satellite DNA, complementary sequence distribution, chimpanzee/orang utan/gorilla chromosome 456.
- serum, psoriasis, DNase II activity 5231.
- sex chromatin frequency, relationship-nuclear size 6259.
- sideroblastic anaemia, RNA/DNA/protein biosynthesis activity 4340.
- single-stranded nuclear DNA, isolation/characterization 5067.
- sister chromatid exchange/chromatid interchange, relationship-DNA repair 2137.
- skeletal muscle, obesity, RNA content, effect of diet 5659.
- sperm, isolation-DNA synthesis complex 2020.
- spleen, DNA polymerase α /DNA polymerase β /DNA polymerase γ /reverse transcriptase, purification/characterization 2846.
- sputum, bronchitis/bronchiectasis/asthma/cystic fibrosis, DNA content 4379.
- squamous cell, DNA, conformation, effect of temperature 3931.
- squamous cell, DNA, effect of UV-irradiation/temperature 3146.
- systemic lupus erythematosus, DNA antibody, effect on RNA biosynthesis 2656.
- thymidine rescue following methotrexate treatment 2950.
- tumour cell, thymidine toxicity 1288.
- urine, RNase, purification/characterization 5208.
- xeroderma pigmentosum, DNA repair 2759.
- Human chorionic somatomammotropin,**
mRNA, purification-complementary DNA 372.
- Human tuberculosis lymph node,**
DNA biosynthesis 2374.
- Hycanthone,**
binding-DNA 4406.
- damaged, DNA, rat liver, repair 2030.
- inhibition-RNA methylation, Novikoff ascites hepatoma 1434.
- Hydra vulgaris,**
bud morphogenesis, role-RNA biosynthesis 1417.
- Hydrazine,**
induced mutability, *Saccharomyces cerevisiae*, DNA repair 4489.
- replacement-wybutine, yeast tRNA Phe, effect on conformation 4199.
- Hydrocarbon,**
polycyclic aromatic, binding-DNA, epidermal homogenate 911.
- Hydrochloric acid,**
use-RNA isolation, rat liver/kidney/testis 4270.
- Hydrocortisone,**
control-glutamine synthetase mRNA, retina, chickens embryos 271.
- effect on DNA biosynthesis/RNA biosynthesis, rat brain, during development 5098.
- effect on rat liver polyribosome 4795.
- effect on RNA biosynthesis, diabetic rat liver/heart/spleen mitochondria 2285.

Hydrocortisone, (continued)

induction-tryptophan oxygenase mRNA, rat liver, effect of cycloheximide 4873.
regulation-ribosome content/activity, mouse mammary gland explant 3025.

Hydrocortisone acetate,

effect on tRNA aminoacylation, rabbit liver diabetes 1345.

Hydrocortisone hemisuccinate,

effect on DNA biosynthesis, mouse thymus/spleen/liver/small intestine 1003.

Hydrogen peroxide,

degradation *Escherichia coli* DNA 404.

Hydrogen sulphide,

reaction-pyrimidine (5-mercuri) nucleotide 4160.

Hydrolase,

effect on tRNA (N-acetylphenylalanyl) binding-yeast ribosome 4798.

N-Hydroxy-2-Acetylaminofluorene,

effect on rat liver RNA polymerase I/RNA polymerase II transcription fidelity 6180.

4-Hydroxyaminoquinoline 1-oxide,

binding-DNA, base sequence specificity 5857.

4-Hydroxyaminoquinoline,

synthesis pancreas hydroxyaminoquinoline oxide, -1-oxide rat/liver 4490.

8-Hydroxyquinoline,

inhibition-Saccharomyces cerevisiae DNA biosynthesis during meiosis 5133.

Hydroxythiamine,

effect on rRNA biosynthesis/protein incorporation, rat liver polyribosome 3003.

Hydroxytoluene,

butylated, inhibition-DNA excision-repair, human lymphocyte 4500.

Hydroxyurea,

block, effect on herpes simplex virus DNA biosynthesis, BSC-1 cell 1012.

effect on, phage T4-induced ribonucleoside-diphosphate reductase/ribonucleoside-triphosphate reductase, *Escherichia coli* 6228.

effect on DNA biosynthesis, *Agrostemma githago* / *Vaccaria pyramidata* 6074.

effect on DNA biosynthesis, mouse embryo 6069.

effect on Rausher leukaemia virus DNA biosynthesis, infected mouse embryo fibroblast 6051.

effect on ribonucleoside-diphosphate reductase activity, octanol/water solvent 1745.

induction-DNA strand breakage during replication, mammalian cell culture 1517.

inhibition-DNA biosynthesis, effect on S-phase duration, Chinese hamster cell 6032.

potentiation-UV-irradiation effect on CHO cell 2040.

Hygromycin B,

effect on translocation/tRNA (aminoacyl) recognition, *Escherichia coli* cell-free system 5628.

Hypertrophy,

effect on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, *Gallus domesticus* wing muscle 3389.

Hyphomicrobium,

poly (A)-containing RNA, isolation/characterization 3812.

Hyphosectomy,

effect DNA biosynthesis, rat palate epithelium 1628.

effect on DNA/RNA content, rat mammary gland 1581.

Hypothalamus,

rat, RNA content, effect of cooling 327.

stimulation, effect on RNA biosynthesis, rat liver 3039.

stimulation, RNA biosynthesis/RNA polymerase II activity

during, rat liver 839.

Hypothyroidism,

effect on DNA biosynthesis/aspartate transcarbamylase/uridine kinase activity, during rat cerebellum development 1004.

Hypoxanthine,

transport, *Escherichia coli* 2156.

transport, *Escherichia coli*, energy coupling mechanism 4691.

Hypoxanthine arabinoside,

antiviral activity, effect of adenosine (deoxy) 5490.
chromatography (high-performance liquid) 2534.

Hypoxanthine-guanine phosphoribosyltransferase,

activity, effect of ethyl methanesulphonate treatment, human lymphoblast 1146.

activity, mouse 4036.

antigenic properties, hamster 1145.

assay, spectrophotometry 1147.

content-guanine (6-thio)-resistant neuroblastoma 1744.

incorporation-deficient Chinese hamster cell mutant 2848.

inhibition-periodate-oxidized GMP 586.

Hypoxia,

effect on DNA biosynthesis, regenerating skin 1617.

effect on rat liver DNA content 2770.

H1 virus,

DNA replication, localization-infected SV40-transformed human kidney cell 1573.

temperature-sensitive mutant, DNA biosynthesis-replicative form defective 2060.

ICRF 159,

effect on X-irradiation sensitivity/DNA repair, mouse tumour cell line 1612.

IDP,

complex-copper, circular dichroism 4720.

NMR, aqueous solution 1295.

Illicium unisatum,

angiosperm, nuclear DNA content 363.

Imidazoleglycerolphosphate dehydratase,

gene, yeast, cloning/expression-*Escherichia coli* 2798.

Immune response,

mouse spleen, cytoplasmic RNA transport/biosynthesis 3101.

Immune RNA,

effect on *Trypanosoma cruzi* infection, mouse 3103.

incorporation-normal mouse spleen cell 330.

induction-antitumour antibody synthesis, mouse spleen cell 3641.

induction-cellular antitumour immune response, lymphocyte 3640.

mediated, transfer-tumour antigen response, peritoneal exudate cell 2119.

treatment-renal cell carcinoma 3105.

tumour-specific cell-mediated cytotoxicity transfer, guinea-pig 4813.

use-colon cancer treatment, human 5785.

Immunoglobulin,

biosynthesis, effect of uridine (5-bromo), plasmacytoma/normal mouse lymphocyte 2179.

biosynthesis, myeloma cell, review 4669.

gene, dynamics, review 4679.

gene, localization 5164.

gene, mouse, location-chromosome 4644.

gene, mouse, organization, DNA restriction endonuclease EcoRI fragment 5967.

Immunoglobulin,(continued)

gene sequence, mouse/rabbit 2333.
 heavy chain, human, translation- $\langle ?m \rangle$ -RNA, in vitro 341.
 heavy chain, mRNA, mouse, isolation/purification/
 characterization 3429.
 kappa chain, plasmacytoma, mRNA translation, *Xenopus*
laevis oocyte 3108.
 light chain, gene, cloning-plasmid pCR1- κ 40 6126.
 light chain, gene, mouse, structure/expression, review 4675.
 light chain, mRNA, formation, RNA (heterogeneous nuclear)
 post-transcription cleavage 3081.
 light chain, mRNA, mouse, determination-3'-terminal region
 non-coding sequence 1937.
 light chain gene, mouse myeloma cell, cloning/mapping 2013.
 light chain/heavy chain, mRNA, occurrence, plasmacytoma
 MOPC 315 variant 5660.
 light chain mRNA, occurrence-mouse thymus T-lymphocyte
 4260.
 mRNA, accumulation-immunized mouse spleen 2659.
 mRNA, mouse myeloma, 5'-terminal nucleotide sequence
 3822.
 mRNA, secondary structure 1928.
 variable region, gene assembly, hypothesis 6091.
 variable region, pool size 5165.
Immunoglobulin IgA,
 heavy chain, mRNA, translation-plasmacytoma variant 1475.
IMP,
 binding-glycogen phosphorylase b, conformation 1854.
 copper complex, X-ray crystallography 140.
 determination, chromatography (high pressure) 2547.
 interaction flavin 1828.
Indole-acetic acid,
 effect on abscisic acid inhibition-RNA biosynthesis, *Cocos*
nucifera 840.
 effect on RNA biosynthesis/RNase activity, barley 3471.
 effect on RNA/protein biosynthesis, *Escherichia coli* K12
 5758.
Infectious bronchitis virus,
 genome RNA, characterization 250.
Infectious pancreatic necrosis virus,
 RNA, oligonucleotide fingerprinting 797.
Influenza virus,
 infection, treatment-ribavirin, human 5498.
 infection, treatment-ribavirin, squirrel monkey 5497.
 membrane protein mRNA, isolation/characterization 3807.
 nucleoprotein, identification-phosphorylated amino acid 594.
 recombinant, RNA characterization 3440.
 replication, effect of poly (I-C) 4735.
 replication, role-RNA polymerase II 561.
 ribonucleoprotein complex formation 5298.
 RNA, fragment preparation 4267.
 RNA, 5'-terminal nucleotide sequence 4284.
 RNA biosynthesis, associated-nucleoprotein 2645.
 RNA polymerase, inhibition-aurintricarboxylic acid,
 mechanism 6171.
 RNA transcriptase, characterization/effect of chelating agent
 6187.
 RNA transcription, review 3326.
Influenza virus A,
 human, RNA homology 5686.
 mapping 4905.
 neuraminidase/nucleoprotein gene, electrophoresis, effect of
 temperature 5030.
 nucleotide analysis, recombination role-evolution 5689.
 protein biosynthesis, inhibition-UV-irradiation, chick embryo
 fibroblast 745.
 recombinant, RNA hybridization 3439.

ribonucleoprotein, physical properties 4049.
 RNA, gene mapping 4836.
 RNA, messenger activity, in vitro 4362.
 RNA, sequence-homology-influenza virus B 803.
 RNA, 5'-terminal sequence, comparison-influenza virus B
 3047.
 mRNA, transcription/translation, cell-free system, protein
 product characterization 4910.
 RNA/protein biosynthesis, localization, chick embryo
 fibroblast/MDCK cell 4317.
 RNA transcriptase, comparison-fowl plague virus 5255.
Influenza virus B,
 identification-hemagglutinin/neuraminidase gene 1959.
 RNA, sequence-homology-influenza virus A 803.
 RNA, 5'-terminal sequence, comparison-influenza virus A
 3047.
Informosome,
 free, occurrence, *Misgurnus fossilis* cytoplasm 4660.
 nuclear, association-cellular $\langle ?m \rangle$ -RNA, mouse-liver 206.
Initiation complex,
 assembly, mammalian 2600.
 component, effect on *Escherichia coli* initiation factor IF-1
 binding-ribosomal subunit 30S 2598.
 formation, tRNA fMet + ribosomal subunit 40S, rabbit
 reticulocyte, binding factor activity 3411.
Initiation factor,
 activity, mouse L cell, effect of interferon 227.
 activity, rat liver, effect of dimethylnitrosamine inhibition-
 protein biosynthesis 5649.
 activity, rat liver protein biosynthesis, effect of
 dimethylnitrosamine/ethionine 2206.
 eukaryote, phosphorylation 2233.
 interaction-tRNA fMet binding factor, inhibition-protein
 kinase, rabbit reticulocyte lysate 2602.
 rabbit reticulocyte, purification/characterization 2601.
 ribosome/elongation factor, isolation, use heparin 3008.
 role-translation-guanosine (7-methyl) lacking 5'-terminal,
 reovirus/globin mRNA 1468.
Initiation factor IF-1,
Escherichia coli, binding-ribosomal subunit 30S, effect of
 initiation complex component/identification-binding site
 ribosomal protein 2598.
 rabbit reticulocyte, binding-tRNA fMet, association-protein
 factor 5648.
Initiation factor IF-2,
Artemia salina, stimulating protein, isolation/
 characterization 3419.
 binding- $\langle ?t \rangle$ -RNA fMet, rat prostate gland 551.
 binding-tRNA fMet (methionyl)-mRNA 2232.
 eukaryote, binding/release, during protein biosynthesis
 initiation 2231.
 hen oviduct, purification/characterization 3421.
 phosphorylation, inhibition-haem-in 2229.
 phosphorylation-protein kinase, activation-double-stranded
 RNA, protein biosynthesis 4254.
 rabbit reticulocyte, purification/characterization/function
 225.
 recognition-mRNA sequence 3026.
 stimulating protein, properties, rabbit reticulocyte 4252.
Initiation factor IF-3,
Escherichia coli, binding-ribosomal subunit 30S 2237.
Escherichia coli, cross-linking-RNA 16S 1912.
Escherichia coli, metabolic stability during cell cycle 3788.
Escherichia coli, phosphorylation-phage T7 protein kinase
 775.
 localization-ribosomal subunit 40S 3015.
 separation, use-electrophoresis, *Escherichia coli* 1379.

Initiation factor 4C,

purification/characterization, reticulocyte lysate, rabbits 220.

Initiation factor 4D,

purification/characterization, reticulocyte lysate, rabbits 220.

Inokosterone,

moulting hormone, effect on DNA synthesis, *Blaberus* 5096.

Inosine,

adsorption-mercury electrode 3724.

dialdehyde derivative, INOX, inhibition-RNA biosynthesis,

Ehrlich ascites cell 2538.

effect on adenosine uptake, guinea pig jejunum 4146.

interaction flavin 1828.

interaction-phenanthrene -9,10- oxide/ :7,12-

dimethylbenz(a)anthracene -5,6- oxide 88.

labelled ribose-containing, synthesis 4131.

stimulation-proinsulin biosynthesis/insulin secretion, rat/

mouse pancreas 2170.

uptake, mechanism, membrane vesicle 114.

Inosine (2',3'-Anhydro),

synthesis 2163.

Inosine (8-bromo),

X-ray crystallography 106.

Inosine (2'-Deoxy),

synthesis 2163.

Inosine (3'-Deoxy),

synthesis 2163.

Inosine (nitrobenzylthio),

inhibition-uridine uptake, HeLa cell 5512.

S-Inosyl homocysteine,

effect on DNA methylase activity, *Escherichia coli* /phage

DDVI 5288.

Insect,

see also **specific species**

cell, virus-infected, identification/localization-double-

stranded/single-stranded RNA 4805.

Insertion sequence,

integration site, *Escherichia coli* DNA 5044.

localization-phage P1 DNA 5903.

plasmid PSM, DNA nucleotide sequence 2705.

Insulin,

regulation-ribosome content/activity, mouse mammary gland

explant 3025.

Insulinoma,

rat, RNA transcription product, characterization 4848.

Interferon,

activity, mechanism, review 2510.

effect on initiation factor activity, mouse L cell 227.

effect on mitogen induction-DNA biosynthesis, chick

lymphocyte 5135.

effect on Moloney leukaemia virus RNA biosynthesis 4867.

effect on protein biosynthesis, mechanism 4803.

effect on rRNA biosynthesis, human fibroblast 3091.

effect on RNA biosynthesis, murine leukaemia virus 3477.

effect on translation, Friend leukaemia virus transformed

mouse erythroleukaemia cell cell-free system 5605.

fibroblast/leucocyte, lymphocyte DNA biosynthesis

interferon, human 2401.

induction, phage f2 double-stranded RNA, human leukocyte

3097.

induction, vinyl-containing poly (I-C) analogue 4185.

induction activity, double-stranded RNA analogue 5297.

induction-double-stranded RNA, comparison-*Penicillium*

chrysogenum mycophage/phage f2/reovirus 1455.

induction-poly (A-U) 2191.

induction-poly (I) 4733.

induction-poly (I-C), effect of UV-irradiation, human cell

5556.

induction-poly (I-C), stimulation-calcium salts 2979.

induction-poly(I-C) analogues, L cell 714.

induction-polynucleotide, human 2557.

induction-protein biosynthesis inhibitor, mouse L cell 1317.

induction-RNA, antiviral activity/antitumour activity 5775.

inhibition-vesicular stomatitis virus mRNA biosynthesis

4319.

inhibition-viral m RNA translation, SV40-infected

monkey cell 189.

interaction-tRNA 726.

kinetics-translation inhibition/mRNA methylation/

degradation, mouse L cell 2211.

mouse, binding-poly(I)/poly(U)/poly(G) 159.

mRNA, biosynthesis/inactivation, human fibroblast 863.

pretreatment, effect on vesicular stomatitis virus

transcription/translation, chick embryo cell cell-free system

3488.

production, poly (I-C) induced L929 cell, enhancement-

calcium 4734.

production, poly(I.C.)-induction, L929 cell, effect of polyene

macrolide 2977.

mRNA, mouse, translation-*Xenopus laevis* oocyte/rabbit

reticulocyte lysate 4919.

mRNA inactivation during interferon biosynthesis shutoff,

human fibroblast 1963.

treated, HeLa cell, presence-protein kinase/RNase (endo)/

reovirus mRNA methylation inhibitor 1683.

treatment, effect on RNA methylation, vaccinia virus-

infected chick embryo fibroblast 5749.

treatment, L cell, effect on mengovirus tRNA utilization

5572.

Intestinal mucosa,

rat/mouse, irradiation-induced DNA repair, effect of

heterologous DNA 6082.

Intestine,

chick, RNA polymerase activity, effect of 1 α ,25-

dihydroxycholecalciferol 6173.

Iodine,

polyvinylpyrrolidone complex, interaction-DNA 915.

Iodine-125,

damage, *Escherichia coli*, effect of DNA content 6021.

decay, DNA breakage/repair, *Escherichia coli* /phage T1/

phage T4 5868.

decay, effect on DNA, Chinese hamster cell 5869.

effect on DNA breakage/repair, human kidney cell 6038.

labelled, uridine(deoxy), use-tumour localization 124.

Ionic strength,

effect on chromatin subunit conformation 3299.

effect on DNA dielectric properties 1986.

effect on DNA dynamic properties, quasielastic light

scattering 1522.

effect on DNA electrode reaction 3891.

effect on protein biosynthesis, pseudorabies virus-infected

HeLa cell 3388.

Irethdiamine A,

interaction-DNA 1498.

Iridine,

synthetic fragment, interaction-DNA 5842.

Iron,

deficiency, effect on polyribosome content, *Zea mays* leaf

5640.

degradation-DNA 5846.

effect on adenosine (2-methylthio-N⁶-(Δ^2 -isopentenyl)-

containing M + RNA, *Escherichia coli* 2198.

interaction-*Aspergillus nidulans* DNA, role-sporulation

Iron, (continued)

4948.

occurrence-calf thymus deoxyribonucleoprotein 1754.

Irradiation,

Chinese hamster cell, DNA strand breakage, effect of oxygen concentration 1508.

DNA damage, aqueous solution, effects of nor-pseudo-pelletierene-N-oxide/misonidazole 4970.

Drosophila melanogaster DNA, damage/repair 5109.

effect on calf thymus/leukaemia leucocyte DNA structure, IR-spectroscopy 3883.

effect on cytoplasmic RNA content, mouse hepatocyte 4879.

effect on DNA, review 3328.

effect on DNA polymerase activity, rat bone marrow/spleen 1715.

effect on DNA repair, mouse 2390.

effect on DNase (alkaline) activity, rat thymocyte 3259.

effect on mouse testis DNA 4396.

effect on RNA biosynthesis, rat thymus/liver/spleen 302.

effect on RNA metabolism, Novikoff hepatoma 304.

induced inactivation, RNase, radioprotection-selenium compound 6138.

leukocyte, effect on DNA/RNA content/RNase (acid)/DNase II activity 5215.

therapy, effect on DNA repair, lymphocyte/tumour tissue, cancer patient 6036.

Irradiation (ionizing),

DNA double-stranded breakage, repair, comparison-fungus/vertebrate cell line 6026.

effect on DNA, cis-dichlorodiammine platinum(II) role-radiosensitizer 5121.

effect on DNA degradation, *Escherichia coli* 407.

effect on RNA biosynthesis, Novikoff ascites hepatoma 1948.

induced, DNA damage, repair, mechanism, review 1253.

induced damage, DNA repair, mammalian cell 2036.

induced DNA single-stranded breakage, repair kinetics, Chinese hamster cell/Ehrlich ascites cell 1608.

Irradiation (neutron),

damage, DNA repair, mouse embryo 5114.

 β -Irradiation,*Escherichia coli*, photoreactivation 2757. **γ -Irradiation,**

Chinese hamster lung fibroblast chromatin, DNA damage 6274.

damage, DNA repair, effect of gibberellin, *Vicia faba* 2044.

damaged, DNA, defective repair, human Fanconi's anaemia 3958.

DNA, aqueous solution product analysis 2323.

DNA, induction-single-strand/double-strand breakage 3884.

DNA, thymine fragment analysis 2695.

DNA damage, *Escherichia coli*, radioprotection-cis-dichlorodiammineplatinum(II) 4972.

effect of DNA, 3'-terminal analysis 1509.

effect on DNA biosynthesis/RNA biosynthesis, rat spleen/liver 1595.

effect on DNA repair, human, rheumatic disease 1596.

dGMP, ESR analysis 1298.

induced damage, HeLa cell DNA, repair, effect of carcinogen 1602.

effect on chromatin protein phosphorylation 4624.

effect on DNA breakage/repair, human kidney cell 6038.

effect on DNA conformation 400, 3137.

effect on DNA-nonhistone protein interaction, chromatin/nuclear sap 4949.

effect on DNA/polynucleotide, NMR 2696.

effect on DNA/polynucleotide hydration, NMR 2694.

effect on DNA structure, lymphocyte 2325.

effect on DNase/RNase, *Aspergillus niger* 6135.

effect on histone, rat thymus 2878.

effect on lymphocyte DNA 4398.

effect on ?rRNA/DNA complementarity, cotton 398.

effect on sister chromatid exchange frequency, human lymphocyte 5345.

induced, DNA degradation/repair, rat hepatoma 2042.

induced, nucleoprotein degradation, effect of cycloheximide/pyrimycin, rat thymocyte/mouse thymus 598.

induced, single-stranded breakage, mouse leukaemia cell culture DNA, effect of nitrogen/nitrous oxide 910.

induced, strand breakage/free radical formation,

determination, calf thymus DNA 4973.

induced phage T7 DNA cross-linking-protein, measurement 5843.

induction-4-nitroquinoline-N-oxide binding-DNA 2321.

induction-SV40 DNA replication, transformed hamster kidney cell 6019.

mutagenicity, mouse spermatocyte/spermatid, effect of DNA 3978.

rat gliosarcoma, DNA damage/repair, detection-nuclease S1 3964.

Saccharomyces cerevisiae, DNA repair, relationship-nuclear division 6025.sensitization, *Escherichia coli* C, effect of uracil (5-bromo) incorporation 3712.

thymidine, aqueous solution, product identification 5457.

treated, DNA, effect on sedimentation 2326.

UV-Irradiation,

+ coal tar, inhibition-DNA biosynthesis, mouse epidermis 3956.

adenovirus (human) 2 early promoter mapping 436.

Chinese hamster cell, post-replication repair 3209.

chromosome aberration, mechanism, *Vicia faba* 6301.

combination-N-acetoxy-2-acetylaminofluorene, induced

DNA repair, hamster V-79 cell, comparison-human fibroblast 2041.

combination-8-methoxypsoralen, effect on phage sd DNA 4969.

combination-8-methoxypsoralen, induction-sister chromatid exchange, CHO cell 6298.

cross-linking phage M13 DNA-binding protein-single-stranded DNA 2904.

damage, CV-1 cell, excision repair, mechanism 3960.

damaged, DNA, defective repair, human Fanconi's anaemia 3958.

damaged DNA, interaction-netropsin 1497.

degradation-yeast mitochondrial DNA 4399.

determination-DNA damage/repair, HeLa cell/CHO-K1 cell 493.

DNA, interaction-psoralen 3142.

effect on Chinese hamster cell DNA 5870.

effect on CHO cell, potentiation-hydroxyurea 2040.

effect on DNA, human squamous cell 3146.

effect on DNA conformation 400, 3137.

effect on DNA degradation, *Escherichia coli* 407.effect on DNA photoreactivating enzyme, *Escherichia coli* B/ 3279.

effect on DNA repair, human, rheumatic disease 1596.

effect on DNA repair kinetics, human fibroblasts 1023.

effect on *Escherichia coli* ribosomal subunit 50S rRNA structure 5669.

effect on poly (I-C) interferon induction, human cell 5556.

effect on RNA biosynthesis, CV-1 cell nucleus 843.

effect on RNA (heterogeneous nuclear) size, mouse plasmacytoma cell 4880.

effect on vaccinia virus genome transcription/translation 4320.

enhancement-DNA repair during G₁ phase/S phase, UV-

UV-Irradiation,(continued)

- irradiation-treated Chinese hamster cell 6043.
 excision-repair, DNA, insertion sequence size, mammalian cell 1610.
 human fibroblast, DNA repair, pyrimidine dimer assay 5118.
 inactivation-phase Q β variant RNA 790.
 induced, angelicin/xanthotoxin binding-phase λ DNA 2332.
 induced, DNA excision-repair, toluene-treated *Escherichia coli*, role-DNA polymerase I 6196.
 induced, DNA repair, mouse embryo fibroblast, relationship-life span 3957.
 induced, DNA repair, *Petunia hybrida* 5122.
 induced, DNA repair, rat spleen lymphocyte, inhibition-X-irradiation 5115.
 induced, DNA repair/survival, comparison-*Trichoplusia ni* / Chinese hamster 2029.
 induced, DNA repair synthesis, distribution human chromatin 4499.
 induced, DNA repair synthesis, toluene-treated *Escherichia coli*, role-DNA polymerase I 6197.
 induced, DNA repair synthesis, Werner's syndrome fibroblast 4496.
 induced, lesion, *Escherichia coli* tRNA gene, repair 1017.
 induced, mutagenesis, effect on DNA biosynthesis, phage ϕ X174 DNA substrate 6018.
 induced, mutagenesis, *Escherichia coli* 4487.
 induced, mutagenesis, repair deficient *Escherichia coli*, effect of R factor 4388.
 induced, pyrimidine dimer excision, mouse skin 3211.
 induced, repair, inhibition, reversal-DNA/chromosome structure change, following 4409.
 induced, ?tRNA(phenylalanyl) binding-ribosomal subunit 30S protein, i*Escherichia coli* 221.
 induced, single-stranded breakage, *Escherichia coli* DNA, DNA polymerase I-mediated repair 4576.
 induced, single-stranded breakage, *Proteus mirabilis* DNA, excision-repair 3205.
 induced chromatid breakage, role-protein damage, mouse 2897.
 induced DNA biosynthesis, distribution-CHO cell metaphase chromosome 2021.
 induced DNA breakage/repair, Fanconi's anaemia 3215.
 induced DNA lesion, repair, normal/Xeroderma pigmentosum/Fanconi's anaemia human cell 2034.
 induced DNA-protein adduct, effect of uridine(5-bromodeoxy) 3869.
 induced DNA repair, during meiotic maturation, mouse oocyte 5113.
 induced, DNA repair, *Proteus mirabilis*, role-protein biosynthesis/gene (rec) 1589.
 induced damage, *Mycoplasma gallisepticum*, repair, lack 1585.
 induced damage, *Salmonella typhimurium* DNA, repair 1592.
 induced dimer formation, thymine (1-methyl) 1263.
 induced mutagenesis, *Bacillus subtilis* chromosome 6293.
 induced mutagenesis, phage s_{ϕ} , role-thymine dimer 1495.
 induced photoproduct formation, association-tRNA methylation, *Escherichia* 730.
 induced poly (dT)/phage T1 DNA damage, immunological activity 1751.
 induced protein, role-DNA elongation, irradiated *Escherichia coli* 1019.
 induced protein, role-DNA repair, *Escherichia coli* 1586.
 induced pyrimidine dimer, mouse epidermis DNA, absence-photoreactivation 4663, 4974.
 induced unscheduled DNA biosynthesis, xeroderma pigmentosum fibroblast 1051.
 induction-DNA-binding cross-linking, *Saccharomyces cerevisiae* 5871.
 induction-mutagenesis, phage T4 3885.
 induction-thymine dimer, hairless mouse skin DNA 1982.
 inhibition-influenza virus A protein synthesis, chick embryo fibroblast 745.
Lathyrus sativa DNA, thymine dimer excision 2395.
 mutability, *Bacillus subtilis*, effect of DNA biosynthesis mutant 6023.
 radiosensitivity/DNA repair, *Salmonella typhimurium* / *Salmonella abony* 2756.
 recovery, *Escherichia coli*, role-DNA polymerase I 567.
 repair-replicating/non-replicating DNA 5100.
 sensitivity, bacterial DNA, role-base composition 953.
 sensitivity, relationship-DNA repair, human xeroderma pigmentosum 3959.
 transcription mapping, adenovirus (human) 2 late mRNA precursor 3841.
 treated, *Bacillus subtilis*, gene (recA) mutant, DNA repair/ degradation 2025.
 treated, human cell, DNA repair, stimulation-phage T4 endonuclease V 6132.
 treated, human cell line, thymine dimer excision, kinetics 5117.
 treated, mouse oocyte, DNA excision-repair 2032.
 treated, *Poecilia formosa* thyroid DNA, pyrimidine dimer, association-tumour formation 2697.
 treated cell, DNA repair during cell cycle 4501.
 uracil/thymine, product analysis 5426.
Proteus mirabilis mutant (MUT), excision repair following 1591.
 resistance, effect of cytosine (5-aza), *Escherichia coli** 1272.
 Yoshida ascites sarcoma cell, DNA dimer formation/ excision/strand growth 1510.
X-Irradiation,
 double-stranded breakage-DNA, analysis 1511.
 effect on DNA 1512.
 induced, DNA single-stranded breakage/repair, HeLa cell, during cell cycle induced 1598.
 mammalian cell, DNA repair, effect of caffeine 1605.
 sensitivity, effect of ICRF 159, mouse tumour cell line 1612.
 sensitivity, mouse leukaemia lymphoblast, effect on DNA repair 1603.
 combined treatment-methyl methanesulphonate, effect on DNA repair, mouse spermatid 5110.
 cytosine (1-methyl)-uracil (5-fluoro) complex, free radical formation, ESR 3703.
 damage, DNA repair, mouse embryo 5114.
 damage, *Escherichia coli*, effect of DNA content 6021.
 damage, repair, *Escherichia coli* 487.
 DNA, mammalian polynucleotide ligase activity 5292.
 DNA repair, mouse spermatid 2387.
 effect on *Bacillus subtilis* transforming DNA activity 5872.
 effect on Chinese hamster cell DNA 5870.
 effect on DNA biosynthesis, CHO cell 6040.
 effect on DNA biosynthesis, vitamin E-depleted lymphosarcoma cell 2043.
 effect on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, rat/mouse/guinea pig 3210.
 effect on DNA biosynthesis/thymidine transport kinetics, Ehrlich ascites cell 2542.
 effect on DNA repair, Chinese hamster lung cell 3576.
 effect on DNA repair, hamster plateau-phase cell 2394.
 effect on human T-lymphocyte chromosome 4648.
 effect on muscle/brain/liver RNA(aminoacyl) synthetase methylation 178.
 effect on RNA transport, rat liver 4909.

- induced DNA repair, rat spleen lymphocyte 5115.
inhibition-DNA biosynthesis, HeLa cell, effect of caffeine 2039.
- Trichoplusia ni** /Chinese hamster, DNA repair, comparison 2028.
- uracil(5-chloro)/uridine(5-chloro), free radical formation 653.
uridine(5-chlorodeoxy)/uridine(5-bromodeoxy), ESR 1840.
- Islets of Langerhan**,
nucleoside phosphorylase activity, comparison-rat/rabbit 1149.
- Isobutylene**,
photoaddition reaction-uracil/thymine/uracil(6-methyl) 4122.
- Isoleucyl-bromomethyl ketone**,
modification- $\langle ? \rangle$ tRNA(isoleucyl) synthetase, effect on catalysis 179.
- Isonicotinic acid hydrazide**,
copper complex, inhibition-Rous sarcoma virus reverse transcriptase, mechanism 5275.
inhibition-CHO cell DNA repair 6041.
- Isopropanol**,
interaction-cytosine(1,N⁴-methyl) 4120.
- Isoproterenol**,
effect on DNA biosynthesis/protein biosynthesis, mouse submandibular salivary gland 5138.
induction-DNA biosynthesis, effect of age, mouse 2775.
- ITP**,
NMR, aqueous solution 1295.
- Janthinobacterium**,
rRNA gene, comparison-*Chromobacterium* 5040.
- Japanese encephalitis virus**,
infection, treatment, poly(I-C) derivative, *Macaca mulatta* /
Macaca fascicularis 2978.
RNA biosynthesis, association-nuclear membrane, chick embryo cell 5743.
- Junin virus**,
RNA, characterization 5676.
- Kangaroo rat**,
microcell, DNA content 4378.
- Kawino virus**,
Mansonia uniformis, RNA, characterization 5690.
- KB cell**,
adenovirus(human) 12 infected, RNA biosynthesis 2642.
adenovirus(human) 2 replication, inhibition-5,6-dichloro-1- β -
D-ribofuranosylbenzimidazole 5126.
adenovirus(human) 5 host range mutant DNA biosynthesis/
protein biosynthesis 6010.
adenovirus(human) 5 infected, induction-cellular DNase inhibition 4005.
DNA biosynthesis/cell cycle, effect of arginine deprivation 1633.
DNA biosynthesis during arginine deprivation 1634.
human, cell-free system, protein biosynthesis, misreading,
stimulation-antibiotic 3408.
- human, detection-thymine dimer excision nuclease activity 3606.
- human, DNA polymerase α , purification/characterization 3630.
- nucleoside(2'-keto), biological properties 5492.
- nucleus, adenovirus(human) 2-specific gene, transcription-exogenous RNA polymerase III 1709.
- single-stranded DNA-specific endonuclease, purification/characterization 2445.
- uninfected/adenovirus(human) 2-infected, RNA polymerase III, purification/properties/subunit structure 1708.
- 6-Ketoprostaglandin F_{1a}**,
effect on DNA biosynthesis/RNA biosynthesis, fibroblast 482.
- Kidney**,
cell, human, DNA breakage/repair, effect of γ -irradiation/iodine-125 6038.
cell, *Xenopus laevis*, rRNA, uridine(pseudo) content 4299.
erythrocyte, adenosine deaminase, purification/quaternary structure 2856.
rabbit, DNA biosynthesis, inhibition-renal factor 1005.
rat, DNA biosynthesis/RNA biosynthesis, effect of renotropic factor 481.
rat, RNA biosynthesis/protein biosynthesis, effect of ginseng extract 856.
rat, tRNA methylase activity, comparison-carcinoma 731.
rat, tRNA methylase specificity-tRNA Val, comparison-carcinoma 732.
- Kilham rat virus**,
DNA replication 5981.
nucleoprotein, isolation/characterization 2868.
- Killer factor**,
Saccharomyces, RNA, characterization 5671.
- Kinetin**,
incorporation-*Nicotiana tabacum* callus $\langle ? \rangle$ tRNA/ $\langle ? \rangle$ rRNA 68.
role-DNA biosynthesis/glucose oxidation, potato tissue culture 70.
- Kinetochore**,
mouse/*Allium cepa* /grasshopper, ribonucleoprotein occurrence 6236.
- Kinetoplast**,
DNA, *Crithidia luciliae*, use-DNA antibody determination 591.
DNA, *Trypanosoma lewisi*, isolation/characterization 5949.
- Kirromycin**,
binding-*Escherichia coli* elongation factor Tu 5646.
resistant, elongation factor Tu, *Escherichia coli* gene(tuf) mutant 2234.
- Kirsten murine leukaemia virus**,
detection-RNA 30S subunit 233.
- Kirsten sarcoma virus**,
genome RNA organization, comparison-Harvey sarcoma virus 4829.
- Klebsiella pneumoniae**,
endonuclease KpnI, isolation/purification, mapping-phage λ /SV40 DNA 3995.
plasmid pIE099 DNA, characterization 2703.
- Kluyveromyces**,
DNA/RNA, homology-*Candida albicans* 5053.
- Kunjin virus**,
genome, effect of urea, absence-subgenomic RNA, infected Vero cell 835.

- L cell**,
chromatin, satellite DNA, accessibility-*Escherichia coli*
RNA polymerase 2094.
chromosome DNA, localization-cytosine (5-methyl) 5068.
DNA incorporation 3597.
DNA incorporation, effect of growth-promoting α -globulin 3191.
DNA replication, effect of protein biosynthesis inhibition 1052.
mengovirus replication, inhibition-dipyridamole 290.
mouse, DNA, occurrence-single-stranded region 4461.
mouse, DNA replication temperature-sensitive, chromatin organization 4071.
mouse, DNA replication temperature-sensitive, chromatin, properties 5336.
mouse, initiation factor activity, effect of interferon 227.
mouse, interferon/double-stranded RNA-induced protein biosynthesis inhibitor 1317.
mouse, interferon-treated, protein biosynthesis, inhibition-double-stranded RNA 4358.
mouse, mitochondrial DNA replication mechanism 3192, 3193.
mouse, nucleus, RNA phosphorylation 283.
mouse, protein biosynthesis/rRNA biosynthesis, inhibition-L-histidinol 1953.
mouse, rRNA, uridine (pseudo) content 4299.
mouse, RNA biosynthesis, effect of *Coxiella burnetii* infection 4902.
mouse, temperature-sensitive, DNA replication 1576.
mouse, vaccinia virus-infected, DNA-binding protein characterization 2142.
permeabilized, high-molecular weight DNA biosynthesis 469.
protein biosynthesis, inhibition-poly-L-ornithine 3784.
RNA biosynthesis, inhibition-poliovirus/mengovirus infection 5742.
mRNA/RNA (heterogeneous nuclear), methylated sequence, comparison 2272.
temperature-sensitive mutant, DNA biosynthesis, assay 5994.
uridine (bromodeoxy) effect on enzyme activity during cell cycle 125.
- L-929 cell**,
normal/mengovirus-infected, RNA biosynthesis 4871.
- La Crosse virus**,
recombinant formation-snowshoe hare virus 1456.
- Lacerta sicula**,
ribosome, packing, electron microscopy 205.
RNA, induction-avidin biosynthesis 325.
- Lachnus tropicalis**,
RNA biosynthesis 1410.
- α -Lactalbumin**,
mRNA, regulation, mammary gland, rats 276.
- Lactobacillus acidophilus**,
tRNA nucleotidyltransferase, purification, comparison-*Escherichia coli* 5592.
- Lactobacillus casei**,
characterization-RNA polymerase 1113.
- page PL-1, DNA characterization/transcription 5009.
TMP synthetase, kinetics 5295.
TMP synthetase, sulphhydryl group modification, kinetics 3281.
- Lactobacillus lactis**,
phage ϕ LL55-infected, DNA biosynthesis/RNA biosynthesis/protein biosynthesis 3568.
- Lactobacillus leichmannii**,
ribonucleoside triphosphate reduction, regulation/properties 4596.
- Lactobacillus plantarum**,
exonuclease, kinetics 1093.
- Lactogen**,
human placental, biosynthesis, regulation-mRNA, review 4099.
- Lactuca sativa**,
seed, fate-*Micrococcus lysodeikticus* DNA 6090.
- Laevulinic acid**,
use-protecting group, polynucleotide synthesis 3357.
- Lanthanide**,
binding site, introduction-RNase A 2812.
- β -Lapachone**,
inhibition-reverse transcriptase/DNA polymerase α activity 4579.
- Larix europea**,
ribonucleoprotein, electron microscopy 6237.
- Lathyrus**,
nuclear DNA, base composition 460.
- nuclear DNA content, evolution 5825.
- Lathyrus sativa**,
DNA, thymine dimer excision following UV-irradiation 2395.
- Lead**,
poisoning, effect on DNA/RNA content, rat liver/kidney 498.
- Lectin**,
effect on 5'-nucleotidase activity, lymphocyte plasma membrane 5281.
- Leghaemoglobin**,
gene, DNA, occurrence-*Glycine max* 5822.
- Leishmania donovani**,
rRNA 26S/rRNA 16S gene, sequence arrangement 3923.
- Leishmania tarentolae**,
DNA, effect of berenil 510.
kinetoplast DNA, structure 960.
- kinetoplast RNA, characterization 3814.
- Leishmania tropica**,
rRNA, characterization, comparison-*Trypanosoma brucei* / *Crithidia fasciculata* 3815.
- Lemna gibba**,
RNA, uridine incorporation, diurnal rhythm 5773.
- Lens esculenta**,
xanthine oxidase, characterization 2862.
- Leucichthys**,
DNA structure, comparison-*Stenodus* / *Coregonus* / *Prosopium* / 5059.
- Leucine**,
gene, *Bacillus subtilis*, cloning-*Escherichia coli* plasmid . R5F2124 2416.
inhibition-nuclease, *Bombyx mori* 2075.
- Leucocyte**,
DNA/RNA content, adenovirus infection, human 4808.
- Leucovorin**,
combination-high-dose methotrexate, treatment, osteogenic sarcoma, effects on DNA biosynthesis, bone marrow 460.
- Leukaemia**,
acute, deoxynucleotidyl transferase terminal activity 2100.
blast cell, DNA biosynthesis kinetics 845.
cell, DNA biosynthesis, stimulation-phytohaemagglutinin 2409.
cell line, $\langle ? \rangle$ RNA methylase- $\langle ? \rangle$ RNA (aminoacyl) synthetase complex, characterization 175.
effect of poly (I)/poly (C)/poly (A), mouse 2981.
induction-Friend leukaemia virus, association-xenotropic

Leukaemia,(continued)

RNA sequence expression, mouse 5778.
 lymphoblast, effect of tritiated thymidine 5508.
 L1210, DNA content 3121.
 L1210, mouse, 1- β -D-ribofuranosyl-1,2,4-triazole-3-carboxamide antitumour agent 5493.
 L1210 cell, effect of purine analogue viability 65.
 L1210 cell, murine, RNA polymerase I/RNA polymerase II/RNA polymerase III purification/characterization 2458.
 L1210 cell, RNA polymerase, isolation/ α -amanitin, effect of α -amanitin/antibiotics 2454.
 L5222, rat, treatment-cytosine arabinose, cell kinetic response 5435.
 mouse, DNA biosynthesis, effect of cannabinoid derivative 2784.
 mouse, nucleoside (keto) antitumour activity 1285.
 myeloblast, nuclear DNA, localization-avian myeloblastosis virus-specific DNA 509.
 sarcoma, DNA, detection-C-type virus-related-gene 5819.
Leukaemia (acute),
 human, bone marrow, DNA content 5817.
Leukaemia (acute lymphoblastic),
 cell, deoxynucleotidyl transferase (terminal), characterization 2843.
 human, deoxynucleotidyl transferase terminal activity 2844.
Leukaemia (acute lymphocytic),
 deoxynucleotidyltransferase (terminal) activity 6189.
Leukaemia (acute myelocytic),
 deoxynucleotidyltransferase (terminal) activity 6189.
Leukaemia (acute myelogenous),
 treatment, use-cytosine arabinoside, association-paraparesis 2541.
Leukaemia (chronic lymphatic),
 DNA repair, UV-irradiation-induced, human 2763.
 effect on DNA/RNA content/nucleotide composition, cattle leukocyte 2734.
Leukaemia (chronic lymphocytic),
 lymphocyte, absence-5'-nucleotidase activity 3274.
 lymphocyte, occurrence-purine nucleoside phosphorylase 6211.
Leukaemia (chronic myelocytic),
 d TMP kinase, purification/characterization 375.
Leukaemia (chronic myelogenous),
 deoxynucleotide transferase (terminal) activity 2841.
Leukaemia (myelogenous),
 serum/leukocyte, RNase (acid) characterization 6141.
Leukaemia (myeloid),
 cell, mouse, RNA/protein biosynthesis inhibition, effect on differentiation stimulating factor sensitivity 2297.
Leukaemia (T-derived chronic lymphocytic),
 human, deoxynucleotidyl transferase terminal activity 2844.
Leukocyte,
 cattle, DNA/RNA content/nucleotide composition, effect of leukaemia (chronic lymphatic) 2734.
 human, granulopoiesis, DNA/RNA/protein biosynthesis 4515.
 human, leukaemic/phytohaemagglutinin-stimulated, RNA biosynthesis, inhibition-calf thymus low molecular weight peptide 862.
 human, normal/leukaemia, deoxynucleotidyltransferase (terminal) inhibition-geldanamycin/streptoval C/streptovarone/dapmavarone 6203.
 human, normal/leukosis, comparison-nuclear RNA 2607.
 human, phagocytosis, role-RNA metabolism 315.
 irradiation, effect on DNA/RNA content/RNase (acid)/DNase II activity 5215.

Leukosis,
 effect on DNA/RNA content, cattle blood 3496.
Levine,
 DNA, base composition 5043.
Leydig cell,
 diethylstilbestrol-stimulated mouse testis, DNA biosynthesis 2773.
Light,
 effect on polyribosome content, *Zea mays* leaf 5640.
Lilium,
 characterization-zygotene/pachytene DNA biosynthesis 984.
 DNA-unwinding protein, characterization 4656.
Lilium longiflorum,
 euchromatin/heterochromatin, premeiotic DNA biosynthesis 471.
Lincomycin,
 zonal resistance, *Streptococcus pyogenes*, role-DNA 5156.
Lindane,
 effect on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, *Zea mays* 1638.
Linear dichroism,
 DNA 1521.
Linum usitatissimum,
 satellite DNA, analysis 1567.
Lipopolysaccharide,
 induction-DNA antibody, mouse, mechanism 2863.
 initiation-DNA biosynthesis, kinetics, mouse B-lymphocyte 5152.
Pseudomonas aeruginosa, humoral immunity, transfer-immune RNA, mouse 2661.
Lipoprotein,
 mRNA, *Escherichia coli* outer membrane, 5'-terminal sequence 5707.
Liposome,
 entrapment, use-RNA microinjection-cell 4348.
 entrapment-RNA 2633.
 β -Lipotropin,
 mRNA, translation, reticulocyte cell-free system 1474.
Liriodendron tulipifera,
 angiosperm, nuclear DNA content 363.
Lithium,
 effect on tRNA (aminoacyl) formation 5580.
Liver,
 chick, nuclear RNA 5S, interaction-chromatin deoxynucleoprotein 789.
 chick, RNA biosynthesis, relationship-protein biosynthesis, during *Eimeria tenella*-induced coccidiosis 5763.
 chick embryo, free/membrane-bound polyribosome, distribution/activity 3405.
 hepatoma, corticosterone inhibition-DNA biosynthesis, effect of progesterone 1008.
 mouse, cellular m. RNA, association-nuclear informosome 206.
 mouse, DNA biosynthesis, effect of-hydrocortisone hemisuccinate 1003.
 nucleus, rat, contamination-ribosome during purification 217.
 pig, elongation factor EF-1, subunit interaction 4253.
 rabbit, tRNA nucleotidyltransferase, purification/binding study 4213.
 rabbit/calf/bovine, tRNA Phe, primary structure 2993.
 rat, r RNA 28S degradation 328.
 rat, t RNA methylase, inhibition-coralyn/nitidine 173.
 rat, chromatin, distribution-nuclease-sensitive site 1209.
 rat, chromatin, localization-poly(ADP-ribose) polymerase activity 4636.
 rat, chromatin, solubilization-endonuclease 4080.

Liver,(continued)

- rat, chromatin/DNA, transition temperature, effect of dimethylnitrosamine/diethylnitrosamine 3665.
- rat, chromatin transcription, effect of cortisone 3836.
- rat, DNA, interaction-aflatoxin B1 4400.
- rat, DNA, methylation-dimethylnitrosamine, effect of partial hepatectomy/carbon tetrachloride 2031.
- rat, DNA biosynthesis, effect of polyamine synthesis inhibitor 3222.
- rat, DNA biosynthesis, effect of protein diet following starvation 1622.
- rat, DNA biosynthesis/RNA biosynthesis, circadian rhythm 464.
- rat, DNA biosynthesis/RNA biosynthesis, effect of γ -irradiation 1595.
- rat, DNA ethylation, diethylnitrosamine 1976.
- rat, DNA repair pattern, effect of dimethylnitrosamine, comparison-methyl methanesulphonate 2033.
- rat, free/membrane-bound polyribosome, isolation 5623, 5650.
- rat, mitochondrial poly (A) polymerase, stimulation-primer 4738.
- rat, mitochondrial poly (A) polymerase, stimulation-primer, reaction product 4737.
- rat, nonhistone protein phosphorylation, inhibition-adenosine (3'-deoxy)/ATP (3'-deoxy) 4141.
- rat, normal/regenerating, comparison-poly(A)-containing /mRNA sequence 268.
- rat, normal/regenerating, DNA methylase activity 5289.
- rat, normal/regenerating, tRNA base composition 4203.
- rat, nucleolus/nucleoplasm, rRNA analysis 2680.
- rat, nucleolus/nucleoplasm, rRNA processing/migration 2638.
- rat, nucleoside phosphotransferase/thymidine kinase, characterization 576.
- rat, nucleosome, occurrence-protein A24 2901.
- rat, nucleus, RNA biosynthesis 3824.
- rat, nucleus, RNA biosynthesis, stimulation-triiodothyronine 2287.
- rat, perichromatin-like granule, nucleolar origin 5329.
- rat, phosphorylation-ribosomal protein S6, effect of ethionine 766.
- rat, poly (A)-containing mitochondrial RNA 5668.
- rat, poly (A)-containing mitochondrial RNA, messenger activity 5793.
- rat, poly (A)-containing RNA, isolation/characterization 2611.
- rat, poly (A) synthetase localization 2477.
- rat, poly(A)-containing nuclear RNA/mRNA biosynthesis, stimulation-triiodothyronine 3838.
- rat, polyribosomal mRNA, stabilization-cycloheximide 4920.
- rat, polyribosome, free/membrane-bound, structure 207.
- rat, polyribosome/protein biosynthesis, effect of aflatoxin B₁ 750.
- rat, protein biosynthesis regulation, protein ingestion circadian variation 4221.
- rat, ribonucleoprotein, protein composition, effect of 3'-methyl-4-dimethylaminoazobenzene 5300.
- rat, ribosomal protein, phosphorylation, effect of salt 2227.
- rat, ribosomal protein L7/L10, structure, comparison-*Artemia salina* /*Escherichia coli* 3396.
- rat, ribosome, localization-ribosomal protein S2 2217.
- rat, ribosome/polyribosome, binding-endoplasmic reticulum 3783.
- rat, tRNA, methylation-N-methyl-N'-nitro-N-nitrosoguanidine 3752.
- rat, RNA biosynthesis, inhibition-ethionine 2294.

- rat, RNA polymerase, role-triiodothyronine-stimulated RNA biosynthesis 3624.
- rat, RNA polymerase I/RNA polymerase II activity, effect of thioacetamide 1118.
- rat, RNA transcription, stimulation-heparin, mechanism 313.
- rat, RNA transport, effect of X-Irradiation 4909.
- rat, rRNA 5S isomer, characterization 5713.
- rat, RNase H activity, during regeneration/development 545.
- rat, thioacetamide-treated, regulation-precursor rRNA biosynthesis 823.
- rat, topography-ribosomal protein, free/membrane-bound 1364.
- rat, transport-polyribosome RNA, comparison-hepatoma AH-130 329.
- regenerating, rat, localization-RNA polymerase I activity 6181.
- ribosomal protein, phosphorylation, stimulation-thioacetamide 5620.
- Lucanthone,**
effect on DNA repair-irradiation-induced damage, CHO cell 6042.
effect on DNA sedimentation properties, HeLa cell 914.
effect on RNA biosynthesis, rat/mouse liver/tumour 4903.
- Lucilia cuprina,**
DNA biosynthesis/RNA biosynthesis during metamorphosis 3564.
- Lung,**
carcinoma, human, treatment, adriamycin-DNA complex 5160.
cell, human, activation-benz(a)pyrene, mutagenesis, Chinese hamster cell 4962.
cell, mouse, DNA biosynthesis during compensatory growth following pneumonectomy 2779.
hamster, DNA biosynthesis, effect of nitrogen dioxide 497.
- rat, DNA biosynthesis, effect of paraquat/diquat 1623.
- rat, DNA biosynthesis kinetics, during high-altitude hypoxia 1621.
- Lupinus luteus,**
tRNA, cytokinin isolation/identification 2160.
seed, tRNA, adenosine + cytosine content, during germination 1335.
seed, tRNA Lys, isolation/characterization 2984.
seed, tRNA Phe, nucleotide sequence 4204.
- Lutropin,**
stimulation-RNA biosynthesis, corpus luteum chromatin 298.
- Lycopersicon,**
DNA/chromatin transcription 5341.
- Lycopersicon esculentum,**
leaf, biosynthesis-potato spindle tuber viroid circular/linear RNA 4870.
- lethal disease, induction-cucumber mosaic virus RNA 5 4352.
- potato spindle tuber virus/citrus exocortis virus RNA sequence during replication 3050.
- Lymnaea stagnalis,**
DNA content 2671.
- Lymphoblast,**
cell culture, rat, DNA release 1059.
- human, ethyl methanesulphonate-treatment, effect on hypoxanthine guanine phosphoribosyltransferase activity 1146.
- human, methotrexate-treated, polynucleotide biosynthesis, DNA chain growth mechanism 4188.
- human, regulation-purine biosynthesis 2520.
- human leukaemia, DNA polymerase, inhibitor-tilorone analogue 4023.
- leukaemia, effect of tritiated thymidine 5508.

Lymphoblastoid cell,

characterization-Epstein-Barr virus DNA 345.
transformed, characterization-Marek's disease virus
nonintegrated DNA 5927.

Lymphocyte,

activated, DNA biosynthesis, measurement 5996.
binding-poly (A)/biosynthesis-DNA antibody, normal/
autoimmune mouse 3283.
bovine, isolated nucleus, chromatin replication 5325.
bovine, protein biosynthesis/DNA biosynthesis, assay,
evaluation 4214.
bovine, RNA biosynthesis in vitro 3457.
chick, DNA biosynthesis, induction-mitogen, effect of
interferon 5135.
cord blood, occurrence-5'-nucleotidase 6216.
cytotoxicity-tumour, effect of xenogeneic immune RNA 2301.
development, effect of adenosine deaminase/purine
nucleoside phosphorylase deficiency, human 2471.
DNA, effect of γ -irradiation 4398.
DNA, structure, effect of γ -irradiation 2325.
DNA biosynthesis, effect of human mononuclear phagocyte
1630.
DNA biosynthesis, induction-fibroblast/leucocyte interferon,
human 2401.
DNA biosynthesis, inhibition-methylglyoxal
bis(guanyldrazone)/ α -methylornithine 1046.
DNA biosynthesis, regulation-concanavalin A-activated
suppressor cell 2405.
DNA biosynthesis, regulation-thymus factor 1007.
DNA biosynthesis/RNA biosynthesis/protein biosynthesis,
regulation-adherent cell 1049.
DNA/RNA/protein biosynthesis, effect of cryopreservation
6071.
effect of tritiated adenosine/uridine/thymidine 4145.
Epstein-Barr virus-infected, effect of adenine arabinoside
5480.
human, adenine deaminase deficiency, relationship-ATP/
AMP(cyclic) content 584.
human, adenosine deaminase activity, normal/leukaemia/
kidney transplantation 2470.
human, blast transformation, effect of bovine pancreas/bull
seminal RNase 5212.
human, RNA biosynthesis, inhibition- α_1 -antitrypsin 5147.
human, DNA biosynthesis kinetics, effect of
phytohaemagglutinin stimulation 3588.
human, DNA biosynthesis/protein biosynthesis, effect of
auranofin 2781.
human, DNA biosynthesis stimulation-phytohaemagglutinin,
DNA characterization 3589.
human, DNA excision-repair, inhibition-butylated
hydroxytoluene 4500.
human, DNA repair 1597.
human, DNA repair assay 3962.
human, Epstein-Barr virus-infected, DNA biosynthesis, effect
of phosphonoacetic acid 3200.
human, free ribosome activation during growth induction
3018.
human, herpes simplex virus 1 infection, virus expression/
DNA biosynthesis 6012.
human, isolation/characterization-nascent DNA-associated
RNA 812.
human, leukaemia, DNA biosynthesis regulation 3223.
human, phage infection, effect on DNA biosynthesis 5086.
human, phytohaemagglutinin stimulation, effect on RNA
polymerase I/RNA polymerase II pool activity 6179.
human, phytohaemagglutinin stimulation during amino acid
starvation, effect on protein biosynthesis/RNA biosynthesis/

DNA biosynthesis 1349.

human, RNA content 3425.
human, RNA polymerase I activity during lysine deprivation,
effect of phytohaemagglutinin stimulation 552.
human, RNase(acid) activity during stimulation 1680.
human, sister chromatid exchange frequency, effect of γ -
irradiation 5345.
human, thymidine kinase, induction-phytohaemagglutinin
577.
human, toluene-treated, protein biosynthesis 4223.
human blood, release-RNA/DNA, characterization 1058.
mitogen-activated, regulation-protein biosynthesis 2212.
mitogen-stimulated, DNA biosynthesis, comparison-adult/
neonate, human 3970.
mixed culture, DNA biosynthesis, inhibition-immune
lymphocyte 504.
mouse, DNA metabolism during carcinogenesis 2407.
normal stimulated, inhibition-thymidine uptake, human
malignant melanoma cell line 3351.
nucleus degradation-DNase I, normal/chronic lymphatic
leukaemia cattle 5230.
phytohaemagglutinin-induced DNA biosynthesis, effect of L-
cysteine hydrochloride 2403.
phytohaemagglutinin-stimulated, DNA biosynthesis, effect of
lymphocyte-activating factor 1010.
phytohaemagglutinin-stimulated, DNA biosynthesis/protein
biosynthesis, effect of L-cysteine hydrochloride 2404.
phytohaemagglutinin-stimulated, DNA biosynthesis, effect of
schizophrenic human serum 502.
phytohaemagglutinin-treated, DNA biosynthesis/release,
effect of trypsin/cation 4520.
plasma membrane, 5'-nucleotidase, purification/
characterization 5282.
plasma membrane, 5'-nucleotidase activity, effect of lectin
5281.
rat spleen, UV-irradiation-induced DNA repair 5115.
response-tumour antigen, induction-immune RNA 3104.
RNA biosynthesis, stimulation-complement coated human
erythrocyte 2295.
RNA immune, induction-cellular antitumour immune
response 3640.
RNA polyadenylation, effect of concanavalin A 2296.
subpopulations, mouse, effect of poly (A.U) 2976.
Lymphocyte-activating factor,
effect on DNA biosynthesis, phytohaemagglutinin-stimulated
lymphocyte 1010.
B-Lymphocyte,
deoxynucleotidyl transferase (terminal) activity 6204.
function, effect of uridine(5-bromodeoxy) 126.
herpes simplex virus induction-DNA biosynthesis, mouse
2750.
human, DNA biosynthesis, stimulation-*Staphylococcus*
aureus protein A 5148.
human, UV-irradiation-induced DNA repair 6034.
human, transformation-Epstein-Barr virus, inhibition-
phosphonoacetic acid 6008.
mouse, DNA biosynthesis, initiation-lipopolysaccharide,
kinetics 5152.
uridine uptake/incorporation-RNA, comparison-T-
lymphocyte, human 4716.
T-Lymphocyte,
deoxynucleotidyl transferase (terminal) activity 6204.
development, effect of poly (A.U), in vitro 5553.
human, chromosome, effect of X-irradiation 4648.
human, DNA biosynthesis, stimulation-*Staphylococcus*
aureus protein A 5148.
human, UV-irradiation-induced DNA repair 6034.

T-Lymphocyte, (continued)

- human, production DNA biosynthesis inhibitor 3587.
 immunodeficiency, association-purine nucleoside
 phosphorylase deficiency 2469.
 mouse, activation-poly (A·U) 713.
 mouse thymus, occurrence-immunoglobulin light chain
 mRNA 4260.
 phytohaemagglutinin-induced DNA biosynthesis, effect of
 polymorphonuclear leukocyte protease 5149.
 specific antigen, induction-thymus RNA, bone marrow
 lymphocyte 3484.
 suppressor cell, role-anti-DNA/RNA antibody biosynthesis,
 systemic lupus erythematosus, human 3285.
 uridine uptake/incorporation-RNA, comparison-B-
 lymphocyte, human 4716.

Lymphoid cell,

- adenosine toxicity, role-S-adenosylhomocysteine 2780.
 DNA metabolism, determination 2738.

Lymphoma,

- see also **Burkitt's lymphoma**
 cell, adenosine toxicity, role-S-adenosylhomocysteine 1284.
 cell, mouse, DNA biosynthesis/growth, effect of nutrient
 depletion 1637.
 cell, mouse, orotic acid/orotidine/nucleotide content, effect of
 uridine (6-aza) 1292.
 human, deoxynucleotidyl transferase (terminal) activity 1729.

Lymphosarcoma,

- cell, vitamin E-depleted, DNA biosynthesis, effect of X-
 irradiation 2043.
 cell line, antibody biosynthesis induction-immune RNA 870.

Lysine,

- oligonucleotide/nucleotide complex, preparation/
 immobilization 700.

- reaction-S-alkylated cytidine(2-thio) 5454.

Lysozyme,

- mRNA, isolation-chicken oviduct, polyribosome 1394.
 mRNA, phage T7, size, effect of RNase III 5672.
 mRNA, phage T7, translation efficiency, effect of RNase III
 5733.

Lytechinus pictus,

- DNA nonrepetitive sequence, evolution 2730.
 DNA repetitive sequence, evolution 1549.

Lytechinus variegatus,

- rRNA gene sequence 5957.
 sperm, satellite DNA, characterization 397.

Macaca fascicularis,

- Japanese encephalitis virus infection, treatment-poly(I-C)
 derivative 2978.

Macaca mulatta,

- Japanese encephalitis virus infection, treatment-poly(I-C)
 derivative 2978.

Macrophage,

- activation, RNA content, assay 4812.

Macropus eugenii,

- blastocyst, nuclear RNA polymerase stimulation, during
 resumption-development 4569.

Macropus rufus,

- RNase, amino acid sequence 5207.

Maedi virus,

- RNA, absence-sheep lung carcinoma 5653.

Magnesium,

- binding-protonated tRNA 4742.
 deficiency, rat, effect on DNA biosynthesis/RNA
 biosynthesis/protein biosynthesis 2399.

- effect on tRNA Trp aminoacylation-bovine tRNA
 (tryptophanyl) synthetase 5587.

Magnesium acetate,

- effect on rabbit globin <?m>RNA translation, cell-free
 system 193.

Magnesium chlorate,

- denaturation-phage λ DNA, spectroscopy/electron
 microscopy 3907.

Magnesium ion,

- binding DNA, theory 1496.
 binding-tRNA 1326.
 binding-tRNA Phe, barley embryo 1334.
 binding site, yeast tRNA Phe 4200.
 binding-yeast tRNA Phe, X-ray diffraction 2567.
 effect on chromatin structure transition 2133.
 effect on DNA helix-coil transition 4413, 4416.
 effect on *Escherichia coli* ribosomal subunit association
 1368.

- effect on poly (C) template activity-avian myeloblastosis
 virus reverse transcriptase 1309.

- effect on repressor(lac) operator DNA interaction 1807.

Magnolia soulangiana,

- angiosperm, nuclear DNA content 363.

Maize,

- see also **Zea mays**

- tRNA isopentenyltransferase, purification/characterization
 4770.

Maize streak virus,

- characterization-DNA 3541.

Maleic acid,

- effect on ribosome activity/structure, *Escherichia coli* 2223.

Maleic anhydride,

- inactivation-*Escherichia coli* ribosomal subunit 30S,
 identification-poly (U) binding protein 762.

Malnutrition,

- effect on RNA metabolism, rat, during pregnancy 872.

Malobacterium cutirubrum,

- rRNA 5S, nucleotide sequence 249.

Malt,

- isolation/characterization-DNase 1103.

Mammalian,

- cell, DNA damage, iodine-125-labelled uridine (iododeoxy)
 5519.

- cell, UV-irradiation induced excision-repair, DNA insertion
 sequence size 1610.

- cell, Rous sarcoma virus-transformed, absence-adenosine
 deaminase activity 5283.

- cell culture, DNA biosynthesis duration, relationship-
 replication fork movement 2071.

- cell culture, hydroxyurea induction-strand breakage-DNA
 during replication 1517.

- cell culture, RNA polymerase, inhibition-antitumour agent
 1129.

- mitochondrial/cytoplasmic ribosome, characterization 1366.

- pancreas, RNase, comparison, use-immunological method
 5211.

- testis, sperm histone, phosphorylation during spermiogenesis
 4618.

Mammalian leucosis virus,

- infected human diploid cell, DNA repair mechanism 1614.

Mammary gland,

- epithelium, rat normal/neoplastic, DNA biosynthesis, effect
 of hormone 1031.

- explant, mouse, ribosome content/activity, regulation-insulin/
 prolactin/hydrocortisone 3025.

- mouse, RNA biosynthesis, induction-oestradiol 1430.

- mouse, mRNA biosynthesis, regulation 4327.

Mammary gland,(continued)

- rabbit, casein mRNA, effect of prolactin/glucocorticoid 3079.
 rabbit, RNA biosynthesis, effect of polyamine 4339.
 rat, casein biosynthesis/casein mRNA, inhibition-progesterone during pregnancy 2648.
 rat, chromatin template activity-transcription, during development 5337.
 rat, DNA/RNA content, effect of hormone replacement/hypophysectomy 1581.
 rat, mRNA, translation-cell-free system, secretory protein biosynthesis 5604.
 tissue, normal/preneoplastic, DNA repair 2764.
 tumour, hormone-dependent, rat, detection-casein mRNA 1389.
 tumour cell, mouse mammary tumour virus RNA biosynthesis, effect of glucocorticoid 3833.
Mammary tumour virus,
 deoxynucleotidyl transferase terminal activity 2842.
 DNA polymerase, interaction-alkyl-agarose matrix 2837.
 DNA/RNA content, during exogenous mammary tumour virus transformation, Balb/c mammary epithelium 5652.
 mouse, gene, regulation-dexamethasone/restriction endonuclease analysis 5932.
 mouse, gene expression 4531.
 mouse, linear/circular DNA, restriction endonuclease mapping 5917.
 mouse, RNA biosynthesis, effect of glucocorticoid, mammary gland tumour cell 3833.
 mouse, specific DNA, comparison-*Mus musculus* / *Mus caroli* / *Mus cervicolor* 1556.
 RNA, relationship-A-type particle-associated RNA/DNA 805.
 tRNA content, characterization 4740.
 transcription, effect of dexamethasone, monkey chromatin cell-free system 1432.
 unintegrated DNA production, infected rat hepatoma cell, effect of dexamethasone 6015.
Manganese,
 complex-ADP, n.m.r. 119.
 complex formation-ADP/ATP/AMP, thermodynamics 134, 135.
Manganese ion,
 binding-tRNA 1326.
 binding-yeast tRNA Phe, ESR 1875.
 effect on chloroplast/nuclear DNA, physical properties/chemical properties 5070.
 effect on human DNA polymerase β in vitro activity 2099.
 effect on poly (C) template activity-avian myeloblastosis virus reverse transcriptase 1309.
 substitution, effect on restriction endonuclease cleavage specificity 2818.
Mansonella uniformis,
 Kawino virus, RNA, characterization 5690.
Marck's disease virus,
 nonintegrated DNA, characterization, transformed lymphoblastoid cell 5927.
Mason-Pfizer monkey virus,
 chronic infection, monkey cell culture, effect on DNA biosynthesis/reverse transcriptase activity 6005.
 deoxynucleotidyl transferase terminal activity 2842.
 DNA polymerase, interaction-alkyl-agarose matrix 2837.
Mass spectra,
 identification/localization-protecting group, polydeoxyribonucleotide 2958.
Matthiola,
 seed, fate-*Micrococcus lysodeikticus* DNA 6086.

- Matthiola incana,**
 DNA, rRNA gene distribution 2737.
Measles virus,
 associated RNA replicase, characterization 4573.
 infected-HeLa cell, DN biosynthesis, effect of DNAA-suppressing factor 2753.
 membrane protein mRNA, comparison-subacute sclerosing panencephalitis 5688.
 replication, inhibition-ribavirin, Vero cell 473.
Melanin,
 biosynthesis, chick retinal pigment epithelium, effect of α -amanitin, control-mRNA transcription 1444.
 precursors, inhibition-DNA polymerase α 5262.
Melanocyte,
 human, DNA biosynthesis, effect of vitiligo therapy 5146.
Melanoma,
 B16, cell, growth/differentiation, effect of GTP 3355.
 human malignant cell line, thymidine uptake, inhibition-normal stimulated lymphocyte 3351.
Melipona quadrifasciata,
 salivary gland, DNA content during larva development 1486.
 salivary gland, DNA content during larval development 357.
Melphalan,
 DNA cross-linking, formation/repair-mouse leukaemia L 1210 cell 4965.
Membrane,
Candida albicans, binding-ribosome 5635.
 differentiation, cardiac myoblast, effect of exogenous RNA 3100.
 Ehrlich ascites cell, DNA-protein complex, characterization 6316.
Escherichia coli, interaction-chromosome 4647.
 glycoprotein, mRNA, vesicular stomatitis virus, translation in vitro 5791.
 rat/mouse liver, attachment-ribosome, characterization 5622.
 uridine (bromodeoxy)-dependent cell line, effect of uridine (bromodeoxy) transformation 2544.
Mengovirus,
 antiviral activity, pyrimidine derivative 2930.
 infected Ehrlich ascites carcinoma, RNA replicase activity 3626.
 infected Ehrlich ascites cell, fate-histone mRNA 3485.
 infected Ehrlich ascites cell, poly(A)-containing mRNA, coding capacity 2304.
 infected L-929 cell, RNA biosynthesis 4871.
 infected/uninfected, Ehrlich ascites cell, cell-free system, RNA translation 4922.
 infection, Ehrlich ascites cell, effect on histone H1 heterogeneity 5305.
 infection, inhibition-RNA biosynthesis, L cell/HeLa cell/HEp-2 cell/Vero cell 5742.
 infection-Ehrlich ascites cell, ribosomal protein S6 phosphorylation 4248.
 inhibition-DNA biosynthesis, mechanism 476.
 replication, inhibition-dipyridamole, L cell/FL cell 290.
 RNA, comparison-standard/dense virion 4831.
 RNA, selective translation, infected Ehrlich ascites cell 3465.
 RNA, stability/translation, Ehrlich ascites cell cell-free system 1472.
 tRNA utilization, L cell, effect of interferon treatment 5572.
Mepacrine,
 binding-DNA/poly(I-C) 916.
Mephitis mephitis,
 occurrence-retrovirus DNA sequence 4930.
Mercuric chloride,
 effect on DNA replication, CHO cell 1048.

- Mercury ion**,
interaction-oligonucleotide/polynucleotide, circular dichroism 3363.
- Mesitoyl chloride**,
activation-nucleotide/oligonucleotide phosphate group 1311.
acylation-oligonucleotide, effect of aqueous treatment 698.
- Mesitylene carboxylic acid**,
mixed anhydride-nucleotide, inhibition-ATPase 1736.
- Metal**,
see also **specific metals**
complex-thiosemicarbazone, inhibition-Rous sarcoma virus reverse transcriptase 5277.
mutagen/carcinogen, effect on DNA biosynthesis fidelity 2023.
mutagen/carcinogen, effect on RNA biosynthesis 2290.
uracil/thymine complex, preparation 62.
- Metal ion**,
complex-DNA, spectroscopy 3868.
concentration, effect on closed circular DNA supercoiling 4422.
effect on adenine nucleotide interaction-catecholamine, NMR 138.
effect on DNA conformation 3898.
effect on DNase activity, rat parotid 4004.
interaction-*Escherichia coli* tRNA(methionyl)synthetase, NMR 3760.
ternary complex-UTP + 2,2'-bipyridyl, stability 4159.
- Metergoline**,
effect on protein/RNA biosynthesis, rat brain 1952.
- d,l-Methadone**,
inhibition-RNA/protein biosynthesis, mouse, effect of naloxone/naltrexone 5768.
- Methanococcus vannielii**,
tRNA, nucleoside composition/characterization 2564.
- Methionine**,
isoaccepting tRNA Met, incorporation-rabbit globin 3111.
role-nucleoside Q starvation, *Escherichia coli* tRNA Asp 719.
- Methoprene**,
effect on DNA/RNA/protein biosynthesis, *Calliphora vicina* 4485.
- Methotrexate**,
effect on DNA precursor uptake, rat tumour/normal tissue 1053.
effect on ribonucleoside diphosphate reductase activity, mammalian cell 1746.
effect on uridine (deoxy)/thymidine (deoxy)/uridine incorporation, colony forming cell 4149.
interaction-dihydrofolate reductase, effect on DNA biosynthesis, leukaemia cell 2785.
therapeutic effectiveness, effect of purine + pyrimidine 1270.
- 2-Methoxy-5-nitrotropone**,
inactivation, use-ribosomal protein identification, mRNA binding site, *Escherichia coli* ribosomal subunit 30S 3012.
- 8-Methoxypsoralen**,
binding-nuclear DNA, irradiated human fibroblast 2698.
binding-tRNA 3368.
combination-UV-irradiation, effect on phage sd DNA 4969.
combination-UV-irradiation, induction-sister chromatid exchange, CHO cell 6298.
polydeoxyribonucleotide photochemical-4-/5',8->trimethylpsoralen, interaction-role 5517.
- 5-Methoxytryptamine**,
radioprotection mechanism, *Escherichia coli* 5105.
- Methyl methanesulphonate**,
combined treatment-X-irradiation, effect on DNA repair, mouse spermatid 5110.
DNA single-stranded breakage, human lymphoid cell, detection 395.
effect on DNA biosynthesis/thymidine kinase induction, regenerating rat liver 5116.
effect on DNA content, regenerating rat liver 1021.
effect on DNA repair pattern, comparison-dimethylnitrosamine, rat liver 2033.
induced, mutagenesis, repair deficient *Escherichia coli*, effect of R factor 4388.
inhibition-DNA biosynthesis, Chinese hamster cell 6033.
treated, rabbit, DNA repair, spermatozoa 6030.
- Methylacetimidate**,
cross-linking-histone, rat liver nucleosome 6239.
- Methylacrylic acid**,
copolymerization-uracil (1-vinyl)/adenine (1-vinyl) 5422.
- 3-Methyladenine-DNA glycosylase**,
Escherichia coli, characterization 6227.
- Methylazoxymethanol acetate**,
methylation-DNA, rat colon/duodenum/liver 5861.
- 20-Methylcholanthrene**,
stimulation-uridine incorporation-RNA, mouse skin 3844.
- 3-Methylcholanthrene**,
binding-DNA, mouse embryo cell culture 393.
effect on ribosome accumulation, mouse skin hyperplasia 2220.
interaction-DNA 5859.
- Methyldiazonium ion**,
methylation product pattern, DNA/RNA 376.
- 3'-Methyl-4-Dimethylaminoazobenzene**,
effect on rat liver/hepatoma ribonucleoprotein protein composition 5300.
- 2-(4-Methyl-2,6-Dinitroanilino) -N-methylpropionamide**,
effect on rRNA biosynthesis, radish seedling 4347.
- Methylene blue**,
use-DNA nucleotide sequence determination 3148.
- Methylglyoxal bis(guanyldrazone)**,
combination- α -methylornithine, inhibition-DNA biosynthesis, lymphocyte 1046.
effect on *Escherichia coli* RNA polymerase 2453.
inhibition-uridine/thymidine incorporation, *Trypanosoma brucei* 2758.
- Methylhydrazine**,
interaction-pyrimidine(aza)/pyrimidine(methylthio)/pyrimidine(thio) 44.
- O-Methylhydroxylamine**,
effect on phage ϕ_a 4395.
- Methylmercuric hydroxide**,
effect on phage T7 DNA sedimentation rate/viscosity 4432.
- N-Methyl-N'-nitro-N-nitrosoguanidine**,
adaptive response, DNA repair, *Escherichia coli* 2026.
damage-mammalian mitochondrial DNA 907.
effect on *Candida tropicalis* DNA secondary structure 959.
effect on DNA repair, *Rana pipiens*/human cell 2386.
effect on DNA repair, xeroderma pigmentosum cell culture 483.
effect on mouse DNA 3135.
induction-mutagenesis, *Saccharomyces cerevisiae* 6027.
methylation-tRNA, rat liver 3752.
- N-Methyl-N-nitrosourea**,
alkylation-DNA, reactivity-thymidylyl-(3'-5')-thymidine 4958.
antitumour activity, role-poly(ADP-ribose) polymerase, HeLa cell 162.
carcinogenesis, DNA repair, normal/precancerous/cancerous human cervix fibroblast 2762.

N-Methyl-N-nitrosourea,(continued)

cleavage-*Escherichia coli* DNA 2689.
DNA damage, detection method 5862.
effect on *Candida tropicalis* DNA secondary structure 959.
effect on DNA repair synthesis, mammalian cell-culture 1594.
effect on guanine(6-methyl) accumulation, rat bladder epithelium DNA 2688.

induction-DNA methyl phosphodiester formation, stability in vivo 4959.

methylation-DNA, effect of polyamine, rat liver 5863.
methylation-poly d(A-T), thymine (O²-methyl) formation 4169.

modified DNA, properties 1504.

induced, DNA degradation/repair, rat hepatoma 2042.

 α -Methylornithine,

combination-methylglyoxal bis(guanylylhydrazone), inhibition-DNA biosynthesis, lymphocyte 1046.

2-Methyl-2,4-Pentandiol,

aqueous, interaction-RNase A 2438.

Metronidazole,

binding-DNA/RNA 1500.

***Micrococcus luteus*,**

apurinic site-specific endonuclease/DNA N-glycosidase, purification/characterization 6223.

DNA gyrase, mechanism, model 6222.

DNA-unwinding protein, purification/characterization 1793.
endonuclease, action mechanism 3612.

endonuclease, purification/characterization 3611.

endonuclease, role-DNA repair, UV-irradiation 3613.

RNA polymerase, purification/characterization 4566.

RNA polymerase β -subunit, hybrid formation-*Escherichia coli* α -subunit 4012.

***Micrococcus lysodeikticus*,**

DNA, complex formation-fluorescein mercuric acetate, kinetics 1515.

DNA, fate, *Cucumis melo* seed 6089.

DNA, fate, *Lactuca sativa* seed 6090.

DNA, fate, *Matthiola* seed 6086.

DNA, fate, soybean 6088.

***Micrococcus radiodurans*,**

γ -irradiation, effect of oxygen 3502.

nuclease, purification/characterization 5201.

***Micrococcus varians*,**

nuclease, characterization 3252.

Microsome,

membrane, association-polyribosome <?m>RNA 320.

membrane, rat liver, binding-polyribosome, role-cytochrome P-450 2228.

rat liver, activation oestrogen binding-DNA/poly(G) 380.

Microtubule,

associated protein, binding-DNA, hamster fibroblast 5356.

associated protein, hog brain, binding-mouse satellite DNA 5362.

Milk,

cow, DNA/RNA content 3860.

***Misgurnus fossilis*,**

cytoplasm, free informosome, occurrence 4660.

Misonidazole,

effect on DNA single-stranded breakage, hypoxic mammalian cell 5120.

effect on irradiation damage, DNA, aqueous solution 4970.

Mithramycin,

use quantitative determination-DNA 347.

Mitochondria,

CHO cell, occurrence-tRNA (asparaginy) 5560.

protein biosynthesis, effect of oxidative phosphorylation uncoupler 1372.

rat liver, poly(A)-containing mRNA 7.5S, isolation/characterization 1938.

rat liver, mRNA isolation, characterization-complementary DNA 3553.

rat liver, RNase (alkaline), purification/characterization 2081.

transformation-respiration deficient *Saccharomyces cerevisiae* 5194.

Mitochondrial DNA,

Allomyces macrogynus, isolation/characterization 3925.

Aspergillus nidulans, restriction endonuclease cleavage map 3174.

biosynthesis, regulation, *Saccharomyces cerevisiae* 981.

biosynthesis, relationship-ribonucleoside diphosphate reductase/thymidine kinase activity, during regeneration, rat liver 1040.

Drosophila melanogaster, structure/replication 965.

elongation, human KB cell, role-DNA polymerase β 1727.

gene product, identification, yeast 3990.

HeLa cell, mapping 3932.

heterogeneity, plant 459.

human leukocyte, structure/replicative form, effect of age 4464.

mammalian, damage-N-methyl-N'-nitro-N-nitrosoguanidine/(4)-nitroquinoline 1-oxide 907.

mouse, transcription map 3929.

mutation, *Saccharomyces cerevisiae*, effect on ribosome interaction-mitochondrial membrane 5634.

Neurospora, interaction-mutant (poky) + wild-type 4536.

Paramecium aurelia, characterization 3920.

Paramecium aurelia, cleavage-restriction endonuclease EcoRI 5050.

Physarum polycephalum, biosynthesis/distribution 5988.

Podospira anserina, electron microscopy 5953.

ram spermatozoa, characterization 4462.

rat, analysis, use-restriction endonuclease EcoRI 455.

rat, restriction endonuclease analysis 5064.

rat, restriction endonuclease cleavage map 2010.

rat, restriction endonuclease EcoRI cleavage site mapping 3181.

rat liver, localization-nucleotide site 1558.

rat liver, restriction endonuclease EcoRI/BamHI/HpaI cleavage mapping 3554.

recombinant, *Saccharomyces cerevisiae* mutant (petite), organization, electron microscopy 961.

replication, *Paramecium aurelia* 2743.

replication mechanism, mouse L cell 3192, 3193.

role-pollen abortion, *Zea mays*, male sterility 5162.

Saccharomyces cerevisiae, antibiotic resistance-carrying segment, characterization 3175.

Saccharomyces cerevisiae, coenzyme QH₂: cytochrome c reductase gene mapping 5954.

Saccharomyces cerevisiae, gene loci mapping 5054.

Saccharomyces cerevisiae, identification-cytochrome c oxidase gene 5052.

Saccharomyces cerevisiae, localization-variant protein gene 964.

Saccharomyces cerevisiae, mapping-locus tsr 1 5952.

Saccharomyces cerevisiae, mutation model 1079.

Saccharomyces cerevisiae, region, preferential deletion-ethidium bromide/3-carbethoxypsoralen 5866.

Saccharomyces cerevisiae, replication 5987.

Saccharomyces cerevisiae, RNA 4S gene, mapping 963.

Saccharomyces cerevisiae/*Saccharomyces carlsbergensis*

Mitochondrial DNA,(continued)

mapping 2005.

Saccharomyces cerevisiae / *Saccharomyces carlsbergensis*, mapping 2004, 2006.

single-stranded, characterization 3144.

Tetrahymena pyriformis, alkali stability 448.

transformed hamster cell, restriction endonuclease cleavage map 3551.

Xenopus laevis, characterization 2732.*Xenopus laevis* / *Xenopus borealis*, mapping 2364.

yeast, degradation-UV irradiation 4399.

Zea mays, restriction endonuclease analysis 3187.

7S, human, analysis 3185.

Mitochondrial RNA,

biosynthesis, enucleated African green monkey cell 4341.

biosynthesis during sea urchin embryo cleavage 2636.

poly (A)-containing, messenger activity, rat liver 5793.

poly (A)-containing, purification, rat liver 5668.

Mitogen,

induction-DNA biosynthesis, chick lymphocyte, effect of interferon 5135.

Mitomycin C,

effect on DNA biosynthesis/RNA biosynthesis, cell culture 3961.

effect on DNA synthesis, *Blaberus* 5096.effect on phage ϕ A DNA/growth, infected *Escherichia coli* 3573.

effect on sister chromatid exchange, CHO cell 6289.

induced DNA lesion, repair normal/Xeroderma

pigmentosum/Fanconi's anaemia human cell 2034.

induction-alkaline phosphatase, choriocarcinoma cell 118.

induction-DNA polymerase, rat fibroblast 3266.

induction-SV40 DNA replication, transformed hamster kidney cell 6019.

inhibition-DNA replication-associated pyrimidine nucleotide (deoxyribo) biosynthesis, phage T4 990.

relationship-virus induction/sister chromatid exchange, SV40-transformed hamster cell line 4645.

Mitosis,

Chinese hamster cell, effect of protein synthesis inhibition 6288.

Modecicin,

effect on protein biosynthesis, mouse 1889.

inhibition-protein biosynthesis, HeLa cell 2580.

Mollusc,see also **specific species**

nerve tissue, RNA biosynthesis, determination 4853.

Moloney leukaemia virus,

detection-RNA 30S subunit 233.

double-stranded DNA, mapping 5923.

genome RNA, mapping-host range specific oligonucleotide 3802.

genome RNA, structure 4279.

reverse transcriptase, binding-tRNA 4031.

reverse transcriptase, inhibition-ansamycin 5271.

RNA biosynthesis, effect of interferon 4867.

RNA 21S, occurrence-RNase T1 oligonucleotide 4285.

Monkey,

kidney cell, SV40-infected, DNA-protein complex, characterization 624.

kidney cell, SV40 replication, effect of uridine (5-iodo-2'-deoxy) pretreatment 1848.

Moraxella bovis,

DNase (endo), purification/characterization 549.

Morphine,

effect on RNA biosynthesis, rat brain nucleus 4901.

Morris hepatoma,

albumin mRNA analysis 5798.

tritiated thymidine uptake, inhibition-normal rat liver extract 1845.

Mouse,A-type particle, sequence comparison-*Mus musculus* / *Mus cervicolus* genome 972.ascites cell, DNA polymerase β , association-nucleosome 4029.

ascites sarcoma cell, DNA biosynthesis/DNA polymerase activity, inhibition-aurintricarboxylic acid in vitro 1721.

ascites tumour/liver, RNA polymerase, inhibition-glycerol 2096.

bladder, DNA biosynthesis, effect of dibutyl nitrosamine 4493.

bladder epithelium, DNA biosynthesis, effect of propylene glycol 5141.

bladder epithelium, DNA biosynthesis/cell proliferation, effect of dibutyl nitrosamine 2769.

bone marrow, DNA/RNA biosynthesis, effect of cytidine arabinoside 4513.

bone marrow, erythroid-enriched, globin mRNA precursor 4806.

brain, androgen/oestrogen receptor, binding-DNA 5363.

brain, purine/pyrimidine/nucleoside incorporation 3711.

carcinogen-transformed cell, DNA-binding protein, characterization 4091.

casein mRNA biosynthesis, regulation-hormone 5746.

cell, transformed, chromosome binding-herpes simplex virus-related antigen 6278.

chromatin, histone H1 pattern, effect of age 3289.

chromatin, tritium distribution 1765.

chromosome, digestion-DNase I 5346.

chromosome, effect of triethylenemelamine 4646.

chromosome DNA, localization-A-T rich region 3552.

cytosine arabinoside, induction-transplacental dysgenetic hydrocephalus 72.

distribution-uracil (5-astato)/uridine (5-astatodeoxy) 1265.

DNA, base composition, electron microscopy, relationship-chromosome banding 5965.

DNA, condensation, chromatin 612.

DNA, effect of ethyl methanesulphonate nitrogen mustard hydrochloride N-methyl-N'-nitro-N-nitrosoguanidine 4-nitroquinoline 1-oxide 3135.

DNA, fractionation, use-histone H1 precipitation 3865.

DNA, guanine-cytosine base pair formation, blocking-glyoxal 3140.

DNA, structure/physical properties, comparison-Ehrlich ascites cell 457.

DNA biosynthesis, induction-isoproterenol, effect of age 2775.

DNA biosynthesis during myocardium development 4477.

DNA biosynthesis/polymerase, effect of tumour-induced suppressor cell 5153.

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, effect of X-irradiation 3210.

DNA elongation, comparison-mitogen-stimulated thymocyte/splenocyte 982.

DNA repair, effect of daunomycin/irradiation 2390.

DNA repair, X-irradiation-induced damage, effect of interferon 4494.

egg, DNA biosynthesis during development 1627.

egg ribosome, characterization 1365.

embryo, cell, RNA polymerase activity/poly(A)-containing m RNA accumulation, during proliferation 557.

embryo, development in vitro, effect of exogenous nucleoside 117.

Mouse,(continued)

- embryo, DNA biosynthesis, effect of hydroxyurea 6069.
 embryo, effect of tritiated thymidine 5509.
 embryo, fibroblast, DNA repair, UV-irradiation-induced, relationship-life span 3957.
 embryo, rRNA gene activation during development 1082.
 EMT-6 cell, mitochondrial DNA polymerase γ , inhibition-intercalating drug 5261.
 encephalomyocarditis virus infection, effect of poly C (5'-hydroxy)/poly (I) 2975.
 epidermis, DNA, UV-irradiation-induced pyrimidine dimer, absence-photoreactivation 4663, 4974.
 epidermis, histone biosynthesis, stimulation-12-O-tetradecanoylphorbol-13-acetate/phorbol 1761.
 epidermis, 12-O-tetradecanoyl-phorbol-13-acetate-induced DNA biosynthesis, effect of fluocinolone acetonide 1038.
 erythroid cell, α -globin/ β -globin mRNA accumulation during differentiation 2245.
 erythroleukaemia cell, dimethylsulphoxide-induced, globin mRNA biosynthesis 5772.
 exogenous DNA, pyrimidine nucleotide cluster, effect on growth/radiation resistance 3977.
 fibroblast, DNA biosynthesis, effect of phorbol derivatives 1050.
 fibroblast, uptake/aminoacylation-exogenous tRNA 729.
 Fv-1 cell, transfection-murine leukaemia virus integrated DNA 3985.
 genome, sequence comparison-A-type particle DNA 972.
 germ cell, DNA biosynthesis, temperature sensitivity 4510.
 germ line/myeloma, DNA, noncontiguous variable + constant region gene 2365.
 β -globin gene, DNA, sequence 5966.
 β -globin gene, intervening DNA sequence, identification 3182.
 globin/immunoglobulin gene sequence 2333.
 globin mRNA, purification, use-Nitrocell S chromatography 3035.
 globin mRNA 5'-terminal, methylation sequence 4857.
 hairless, skin, DNA, UV-irradiation, induction-thymine dimer 1982.
 heart, sinoatrial node/atrioventricular node, DNA biosynthesis during cardiogenesis 466.
 heavy chain immunoglobulin mRNA, isolation/purification/characterization 3429.
 hepatocyte, cytoplasmic RNA content, effect of irradiation 4879.
 hepatocyte, nucleus, DNA localization 889.
 hepatoma, chromatin, DNA fragment size/periodicity 4092.
 herpes simplex virus 2 infection, effect of poly (I-C)/poly (I-C)-poly-L-lysine complex 5555.
 histone H1/histone H3/histone H4, electrophoresis 4616.
 hypoxanthine-guanine phosphoribosyltransferase/adenine phosphoribosyltransferase activity 4036.
 immunoglobulin gene, location-chromosome 4644.
 immunoglobulin gene, organization, DNA restriction endonuclease EcoRI fragment 5967.
 immunoglobulin gene, sequence 4460.
 immunoglobulin light chain gene, structure/expression, review 4675.
 immunoglobulin light chain mRNA, determination-3'-terminal region non-coding sequence 1937.
 immunostimulation-poly (I-C) 2196.
 interferon, binding-poly(I)/poly(U)/poly(G) 159.
 interferon mRNA, translation-*Xenopus laevis* oocyte/rabbit reticulocyte lysate 4919.
 interfollicular epidermis, DNase (acid) activity, effect of croton oil 1691.
 intestinal mucosa, irradiation-induced DNA repair, effect of heterologous DNA 6082.
 UV-irradiation-induced chromatid breakage, role-protein damage 2897.
 kinetochore, ribonucleoprotein occurrence 6236.
 L cell, DNA, occurrence-single-stranded region 4461.
 L cell, DNA replication temperature-sensitive, chromatin organization 4071.
 L cell, initiation factor activity, effect of interferon 227.
 L cell, protein biosynthesis/rRNA biosynthesis, inhibition-L-histidinol 1953.
 L cell, rRNA, uridine (pseudo) content 4299.
 leukaemia, DNA biosynthesis, effect of cannabinoid derivative 2784.
 leukaemia, ribosome precursor, protein characterization 4238.
 leukaemia L 1210 cell, DNA cross-linking, formation repair, melphalan/nitrogen mustard 4965.
 leukaemia lymphoblast, DNA repair, effect of X-irradiation sensitivity 1603.
 liver, chromatin-nucleolus complex, characterization 6269.
 liver, DNA, binding- β -propiolactone, adenine (1-(2-carboxyethyl)) formation 1503.
 liver, histone-binding protein, characterization, chromatography (affinity) 2881.
 liver, nonhistone protein metabolism, effect of urethane 4620.
 liver, normal/tumour, chromatin/DNA melting curve 4640.
 liver, nuclear ribonucleoprotein, enzyme activity 2484.
 liver, nucleotide, separation/identification, use-chromatography (anion-exchange) 687.
 liver, nucleotide/RNA, orotate incorporation, effect of pyrimidine (2-thio-4-hydrazino) 661.
 liver, polyribosome structure/function, effect of cadmium chloride 2216.
 liver, ribosome, attachment-membrane, characterization 5622.
 liver, RNA biosynthesis inhibition-ethionine, effect of adenine/ATP/methionine 1447.
 liver, tRNA Tyr, binding-L-dopa 4744.
 liver/fibroblast cell culture, poly(A)-containing/lacking mRNA sequence complexity 4300.
 liver nucleus, restriction endonuclease EcoRI-digested chromatin, satellite DNA content 4061.
 liver nucleus, RNA polymerase I/RNA polymerase II activity, effect of cycloheximide/chlorotetracycline 5250.
 liver/serum/ascites fluid/Ehrlich ascites cell, RNase (alkaline) heterogeneity 1681.
 loop-tail mutant, brain, DNA content 5815.
 lymphoma cell, nucleotide permeable, poly (ADP-ribose) polymerase activity 2197.
 lymphoma cell, orotic acid/orotidine/nucleotide content, effect of uridine (6-aza) 1292.
 lymphoma cell, purine (6-thio) determination, chromatography (high-pressure liquid) 2519.
 mammary gland, RNA biosynthesis, induction-oestradiol 1430.
 mammary gland, mRNA biosynthesis, regulation 4327.
 mammary tumour virus, specific DNA, comparison-*Mus musculus* /*Mus caroli* /*Mus cervicolor* 1556.
 mammary tumour virus gene expression 4531.
 maternal DNA antibody, effect on immune response, offspring 590.
 meiosis, nucleolar organizer ultrastructure/activity 4540.
 microcell, DNA content 4378.
 mitochondrial DNA, transcription map 3929.
 molar, 5'-nucleotidase, localization 6219.
 myeloma, DNA polymerase α , inhibition-TTP arabinoside/CTP arabinoside 6201.

Mouse,(continued)

- myeloma. DNA polymerase α , polynucleotide recognition 569.
- myeloma. DNA polymerase isolation, use-heparin 6193.
- myeloma. immunoglobulin mRNA, 5'-terminal nucleotide sequence 3822.
- myeloma. nucleus factor, stimulation-RNA biosynthesis 1451.
- myeloma cell, immunoglobulin light chain gene, cloning/mapping 2013.
- myeloma cell, RNA biosynthesis, inhibition-vesicular stomatitis virus infection 3467.
- myeloma MOPC 21, polyribosome/mRNA, isolation method 1388.
- neurocyte, RNA biosynthesis, effect of partial desympathization 307.
- nuclear protein, poly(ADP-ribose) incorporation 606.
- one-cell embryo, RNA biosynthesis, characterization 4859.
- oocyte. DNA content during meiosis 2310.
- oocyte, UV-irradiation/carcinogen-induced DNA repair during meiotic maturation 5113.
- oocyte, UV-irradiation-treated, DNA excision-repair 2032.
- oocyte, rRNA gene localization/structure/activity during meiosis 6127.
- ovum, incorporation-adenosine, RNA adenylation/protein ADP ribosylation 4708.
- peritoneal macrophage, 5'-nucleotidase activity, regulation 5280.
- pinna skin epidermis/sebaceous gland, determination-DNA biosynthesis 465.
- pituitary tumour, poly (A)-containing mRNA translation, cell-free system, corticotropin precursor biosynthesis 5797.
- pituitary tumour cell culture, corticotropin mRNA activity, effect of glucocorticoid 4921.
- plaque-forming cell suppression, nucleoside tolerance 6231.
- plasmacytoma/normal lymphocyte, immunoglobulin biosynthesis, effect of uridine (5-bromo) 2179.
- pregnancy-dependent mammary tumour, DNA biosynthesis, effect of progesterone/oestrogen 480.
- preimplantation embryo, poly (A)-containing RNA biosynthesis 1942.
- primary/sarcoma/L-cell chromosome, satellite DNA organization 1212.
- protein biosynthesis, effect of modeccin 1889.
- removal-single stranded DNA, mechanism/kinetics 3849.
- restriction endonuclease DNA degradation, antibody-mediated cytotoxicity 2425.
- rRNA gene fragment, purification/cloning 1494.
- RNA/protein biosynthesis, inhibition-d,1-methadone, effect of naloxone/naltrexone 5768.
- rRNA 18S primary structure, comparison-*Bombyx mori* / *Dictyostellium discoideum* /wheat germ 4296.
- sarcoma cell, methotrexate-resistant, dihydrofolate reductase gene multiplication 5197.
- satellite DNA, binding-microtubule-associated protein, hog brain 5362.
- scrapie infection, effect on poly (A)-containing RNA metabolism 4322.
- Shigella flexneri* infection, effect of RNA 4927.
- skin. DNA, UV-irradiation-induced pyrimidine dimer, excision 3211.
- skin, DNA biosynthesis, 1-decanol-induced epidermal hyperplasia 5140.
- skin, DNA biosynthesis, effect of 12-O-tetradecanoylphorbol-13-acetate/12-Ohexadecanoylphorbol-13-acetate/dexamethasone/fluocinolone acetone 2777.
- skin hyperplasia, ribosome accumulation, effect of 3-methylcholanthrene 2220.
- sperm, isolation/characterization-chromatin protein 1178.
- spermatid, DNA repair, effect of X-irradiation + methyl methanesulphonate combined treatment 5110.
- spermatid, X-irradiation-treated, DNA repair 2387.
- spermatid/spermatocyte, γ -irradiation mutagenicity, effect of DNA 3978.
- spermatozoa/testis, nuclear DNA content 2307, 2308.
- spleen, colony-forming cell, effect of poly (I-C) 2193.
- spleen, DNA biosynthesis/excision-repair, effect of prostaglandin 4492.
- spleen, immunized, accumulation-immunoglobulin mRNA 2659.
- spleen cell, antitumour antibody synthesis, induction-immune RNA 3641.
- spleen cell, erythroleukaemia, poly(A) polymerase activity 3748.
- spleen cell, normal, incorporation-immune RNA 330.
- spleen/leukaemia cell, purine nucleotide/pyrimidine nucleotide pool, effect of uracil (5-fluoro) 1832.
- spleen lymphocyte, *Neisseria gonorrhoeae* ribosome mitogenicity 4242.
- staphylococcal nuclease antibody, gene mapping 5964.
- submandibular gland, RNA content, effect of 19-nortestosterone 3031.
- submandibular salivary gland, DNA biosynthesis/protein biosynthesis, effect of isoproterenol 5138.
- testis, diethylstilbestrol-stimulated, Leydig cell, DNA biosynthesis 2773.
- thymocyte, DNA biosynthesis 983.
- thymus, chromatin degradation 4079.
- thymus, T-lymphocyte, occurrence-immunoglobulin light chain mRNA 4260.
- thymus/liver/seminiferous epithelium, histone, electrophoresis 5304.
- tolerance-DNA, mechanism 1171.
- Trypanosoma cruzi* infection, effect of immune RNA 3103.
- tumour-bearing, measurement-DNA turnover, use-iodine-125-labelled uridine(494.
- tumour cell, thymidine toxicity 1288.
- tumour/embryo derived RNA, antitumour activity 871.
- uterus, DNA biosynthesis, effect of oil 6058.
- uterus, DNA biosynthesis following stimulation-decidual cell reaction 4511.
- uterus/liver, β -RNA(aminoacyl) transferase content, effect of oestradiol 176.
- Mouse hepatitis virus,**
- hepatitis, effect of ribavirin, mouse 5521.
- RNA, characterization 3436.
- RNA, occurrence-poly (A) sequence 1401.
- Mucor bacilliformis,**
- sporangiophore, DNA/RNA/protein content 3493.
- Mucor racemosus,**
- RNA biosynthesis during sporangiospore germination 3066.
- translation rate regulation during morphogenesis 4220.
- Multiplication-stimulating activity,**
- effect on cell cycle, chick embryo fibroblast 484.
- Mumps virus,**
- replication, chick embryo cell, adenine(9-methyl)/uracil(1-methyl)/thymine(1-methyl), antiviral activity 1269.
- Murine leukaemia virus,**
- amphotropic, DNA, characterization 3169.
- DNA biosynthesis, inhibition-poly(I) 160.
- helper-defective murine sarcoma virus complex, gene expression, 3T3 cell 5198.
- infection, effect on chromatin properties, mammalian cell 6272.

Murine leukaemia virus,(continued)

integrated DNA, transfection-mouse Fv-1 cell 3985.
 recombinant, RNase T1-resistant oligonucleotide, properties 4187.

replication, inhibition-poly (9-vinylpurine) 5092.
 reverse transcriptase, purification/characterization 4583.
 mRNA, characterization 3806.
 RNA, RNase T1 oligonucleotide mapping 3798.
 RNA, role-reverse transcriptase encapsidation 867.
 RNA biosynthesis, effect of interferon 3477.
 RNA translation, nuclease-treated reticulocyte 2303.
 mRNA 21S, 5'-terminal leader sequence, analysis 3801.
 RNase T1-resistant oligonucleotide, characterization/
 mapping 2619.

Murine sarcoma virus,

defective-murine leukaemia virus helper complex, gene
 expression, 3T3 cell 5198.
 genome, mapping 3049.
 infection, effect on chromatin properties, mammalian cell
 6272.

reverse transcriptase, characterization 4581.

RNA, sarcoma-specific sequence, localization 5028.
 RNA translation, nuclease-treated reticulocyte 2303.
 transformed BALB/3T3 cell, characterization-poly(A)-
 containing RNA 802.

Muscle,

cell, chick embryo, identification-DNA polymerase, during
 differentiation 566.

Muscular distrophy,
 chicken, chromatin hyperchromicity 2130.

Mustela vison,

lung cell line, C-type virus, characterization 4824.

Mustelus mento,

aminoacylation-tRNA 742.

Mutagen,

see also **specific compounds**

metal, effect on DNA biosynthesis fidelity 2023.

Mutagenesis,

Escherichia coli, UV-irradiation-induced 4487.

UV-irradiation-induced, effect on DNA biosynthesis, phage
 ϕ X174 DNA substrate 6018.
 review 3314.

Mutant,

Escherichia coli, erythromycin-resistant, ribosomal subunit
 analysis 2583.

Mutant (dam),

Escherichia coli, adenine (6-methyl) role-mutation avoidance
 5433.

Mutant (dna),

Escherichia coli, phage G4 double-stranded DNA
 replication 5089.

Mutant (petite),

Saccharomyces cerevisiae, recombinant mitochondrial
 DNA, organization, electron microscopy 961.

Mutation (relA),

effect on growth, *Escherichia coli* tRNA
 nucleotidyltransferase mutant 3762.

Mutation (uvrD),

effect on survival/repair, X-irradiation-treated *Escherichia*
coli K12 1015.

Mycobacterium,

DNA, nucleotide composition 2727.

extraction/purification-DNA 370.

Mycobacterium butyricum,

phage, DNA, characterization 5002.

Mycobacterium fortuitum,

ribosome, cross reacting antigen-*Nocardia*, review 3323.

Mycobacterium phlei,

phage, DNA, characterization 5002.

ribosome, cross reacting antigen-*Nocardia*, review 3323.

Mycobacterium smegmatis,

ribosomal subunit, association/dissociation, effect of viomycin
 5627.

ribosome, cross reacting antigen-*Nocardia*, review 3323.

tRNA/tRNA (aminoacyl) synthetase, characterization 4196.

transformation, characterization 4533.

Mycobacterium tuberculosis,

tRNA/tRNA (aminoacyl) synthetase, characterization 4196.

Mycococcus,

ribosome content, relationship-growth phase 5630.

Mycoplasma,

rRNA electrophoresis, comparison-*Acholeplasma* /bacteria
 808.

Mycoplasma gallisepticum,

DNA biosynthesis/RNA biosynthesis/effect of, cell division
 cytochalasin B 2765.

infection, chick embryo cell culture, effect on DNA/RNA
 metabolism 5127.

UV-irradiation-induced damage, repair, lack 1585.

Mycoplasma hyorhinis,

infected cell, uracil phosphoribosyltransferase activity 1735.

Mycoplasma mycoides,

tRNA fMet, nucleotide sequence 2566.

Mycoplasma virus,

single-stranded DNA, electron microscopy 5933.

Mycoplasma virus MVL51,

protein biosynthesis, *Acholeplasma laidlawii* 5597.

Mycotoxin,

effect on DNA, mammal 4394.

Myeloblast,

human, labelling-uridine (iododeoxy) 1291.

Myeloma,

cell, immunoglobulin biosynthesis, review 4669.

cell, mouse, RNA biosynthesis, inhibition-vesicular stomatitis
 virus infection 3467.

DNA biosynthesis, inhibition-anti-idiotypic antibody 3590.

human, proliferating/non-proliferating, RNA turnover/
 protein synthesis template stability 3476.

mouse, DNA polymerase α , polynucleotide recognition 569.

mouse, DNA polymerase isolation, use-heparin 6193.

mouse, immunoglobulin mRNA, 5'-terminal nucleotide
 sequence 3822.

nucleus factor, mouse, stimulation-RNA biosynthesis 1451.

Myeloma MOPC 21,

mouse, polyribosome/mRNA, isolation method 1388.

Myoblast,

rat, uridine(5-bromodeoxy)-substituted DNA, effect on β -
 galactosidase gene expression 2543.

Mycocardium,

rat, RNA biosynthesis, effect of burning 1445.

rat, RNA precursor incorporation, effect of necrosis 1951.

Myofibril,

fraction, muscle tissue, RNase activity 3996.

Myosin,

heavy chain, mRNA, characterization, chick embryo skeletal
 muscle 879.

heavy chain mRNA, detection during myogenesis, chick
 embryo skeletal muscle 880.

heavy-chain mRNA, chick fibroblast, content during
 myogenesis 2247.

interaction-DNA 4950.

light chain mRNA, accumulation during differentiation,

Myosin,(continued)

muscle cell culture 1473.

Myotube,

culture, DNA polymerase activity 4021.

***Myxococcus xanthus*,**

chromosome replication 2497.

phage MX4, DNA, characterization 2711.

M1 cell,

adrenergic neuroblastoma, RNA metabolism 5731.

NAD,

stimulation-DNA biosynthesis, human bone marrow cell 4516.

***Naegleria gruberi*,**

transformation, RNA biosynthesis pattern 4889.

uridine(5-bromodeoxy), induction-virus-like particle 130.

Nafoxidine,

effect on RNA biosynthesis initiation site, rat uterus 5747.

Nalidixic acid,

effect on phage T7 alkylated DNA recombination 1068.

Naloxone,

effect on RNA/protein biosynthesis inhibition-d,1-methadone, mouse 5768.

Naltrexone,

effect on RNA/protein biosynthesis inhibition-d,1-methadone, mouse 5768.

Narciclasine,

binding-eukaryote ribosomal subunit 60S 4245.

Nebularine,

NMR 105.

***Nectria coccinea*,**

DNA content, effect of fungicide 2670.

***Neisseria*,**

transformation, heterologous DNA 1657.

***Neisseria gonorrhoeae*,**

pathogenicity study, use-DNA-mediated transformation 1660.

piliation/virulence, transformation 3245.

ribosome, mitogenicity, spleen lymphocyte, mouse 4242.

Neocarcinostatin,

cleavage-DNA, mechanism 5848.

DNA cleavage, nucleotides specificity 343.

effect on nucleosome DNA, CHO cell 5852.

induced strand breakage, DNA, terminal analysis 5853.

Neomycin,

interaction-ribosome/rRNA, *Escherichia coli* 4241.

Neonatal calf diarrhoea virus,

RNA, characterization 3804.

Nephrotic syndrome,

human, purification/characterization-RNase (alkaline) 538.

Netropsin,

binding-DNA, model 3874.

inhibition-DNA polymerase/RNA polymerase, review 3318.

interaction-DNA, kinetics 3876.

interaction-DNA-histone H1/polypeptide complex 4617.

interaction-UV-irradiation-damaged DNA 1497.

polyd(A-T) complex, NMR 1868.

Neural retina,

chick embryo, glutamine synthetase accumulation, effect of cytosine arabinoside 120.

Neuraminidase,

gene, identification, influenza virus B 1959.

gene, influenza virus A, electrophoresis, effect of temperature 5030.

Neuroblastoma,

cell, mouse, DNA, incorporation-uridine (5-bromodeoxy) 4719.

cell, mouse, DNA polymerase α /DNA polymerase- β activity, during differentiation 4028.

cell, poly (A)-containing RNA content during terminal differentiation 1387.

cellular RNA distribution during differentiation 2248.

guanine (6-thio)-resistant, hypoxanthine-guanine

phosphoribosyltransferase content 1744.

***Neurospora*,**

DNA, sequence relatedness 3173.

endoexonuclease, purification/characterization 6131.

mitochondrial DNA, interaction-mutant (poky) + wild-type 4536.

***Neurospora crassa*,**

adenine transport 67.

conidia, genome transcription, effect of ethylene glycol 4878.

cytoplasmic initiator tRNA, nucleotide sequence 1877.

DNA, homology-*Neurospora intermedia* /*Neurospora sitophila* /*Neurospora tetrasperma* 449.

gene (inl), transformation 1661.

germination, RNA biosynthesis activation, role-carbon source 2652.

histone, amino acid sequence 2486.

mitochondrial tRNA Met, structure/function 1878.

mutant (nit-2), purine transport 4690.

nuclease, purification/characterization 2427.

nuclease, substrate specificity/mechanism 2428.

nuclease/RNase activity, control 4544.

poly (A)-containing mRNA, 5'-terminal structure 3816.

protein biosynthesis, effect of temperature 4790.

ribosome, association/dissociation 2218.

RNA-bound reverse transcriptase, characterization 4030.

RNA methylase, methylation-poly (A)-containing RNA 5'-terminal cap 6229.

small stable RNA, characterization 2625.

***Neurospora intermedia*,**

DNA, homology-*Neurospora sitophila* /*Neurospora tetrasperma* /*Neurospora crassa* 449.

***Neurospora sitophila*,**

DNA, homology-*Neurospora intermedia* /*Neurospora tetrasperma* /*Neurospora crassa* 449.

***Neurospora tetrasperma*,**

DNA, homology-*Neurospora sitophila* /*Neurospora intermedia* /*Neurospora crassa* 449.

Newcastle disease virus,

infected cell culture, RNase antiviral activity 2433.

vaccine, adjuvant activity-RNA double-stranded 1169.

Nickel,

complex-pyrimidine (2- hydrazino -4- hydroxy -6- methyl), IR spectroscopy/NMR 52.

occurrence-calf thymus deoxyribonucleoprotein 1754.

***Nicotiana*,**

coupling factor I gene, chloroplast DNA + nuclear DNA-associated 4541.

DNA/RNA, gametes fusion, effects on 620.

tobacco mosaic virus-infected, occurrence-double-stranded RNA 4255.

***Nicotiana glauca*,**

chloroplast DNA, distribution 1489.

DNA, incorporation-uridine(5-bromodeoxy), effect on

Nicotiana glauca, (continued)

proliferation 129.

Nicotiana glutinosa,

tobacco mosaic virus + sunhemp mosaic virus mixed infection, coat protein mRNA characterization 2658.

Nicotiana langsdorffii,

chloroplast DNA, distribution 1489.

Nicotiana tabacum,*Agrobacterium tumefaciens* -infected, crown gall tumour, detection-plasmid gene 5180.

alfalfa mosaic virus-infected, characterization-RNA replicase 1126.

callus, rRNA/ rRNA, incorporation-kinetin 68.

callus, rRNA/tRNA, incorporation-adenine (N⁶-furfuryl) 659.

cell culture, chloroplast differentiation, inhibition-uridine(5-bromo-2'-deoxy) 127.

crown gall tumour, activity DNA polymerase 2466.

explant, DNA biosynthesis 987.

flowering, induction-DNA 5161.

pollen, tRNA biosynthesis during germination 3371.

pollen tube, ?rRNA biosynthesis 288.

pollen tube, RNA biosynthesis/polyribosome formation 287.

protein biosynthesis, effect of tobacco mosaic virus infection 4775.

ribosome biosynthesis during leucoplast-chloroplast transformation 213.

RNA (leucyl) synthetase, biosynthesis/activity control 5585. streptomycin-resistant mutant, chloroplast, ribosomal protein 4787.

tobacco mosaic virus-infected, RNA biosynthesis, effect of uracil (2-thio) 4335.

tobacco mosaic virus RNA, fate 323.

RNA replicase, characterization 6184.

Nitidine,

inhibition- 't RNA methylase, rat liver 173.

Nitrate reductase,activity. *Ankistrodesmus braunii* /*Chlorella* /*Dunaliella* , effect of purine (6-methyl) 3726.**Nitric acid**,

use-RNA isolation, rat liver/kidney/testis 4270.

Nitrobenzene,

interaction-DNA, ESR 2331.

Nitrofurantoin,derivate, effect on RNA biosynthesis/DNA biosynthesis/ *Escherichia coli* B/r 5129.

derivative, binding-DNA/RNA, rat kidney 2320.

effect on DNA biosynthesis, bacteria 4108.

Nitrofurantoin,inhibition-*Escherichia coli* mRNA translation 3107.**Nitrogen**,effect on γ -irradiation-induced single-stranded breakage, mouse leukaemia cell culture DNA 910.**Nitrogen dioxide**,

effect on DNA biosynthesis, hamster lung 497.

Nitrogen mustard,

DNA cross-linking, formation/repair, mouse leukaemia L

1210 cell 4965.

induction-DNA repair, rat lens epithelium 6028.

treated, mouse leukaemia cell, DNA damage/repair 1026.

Nitrogen mustard hydrochloride,

effect on mouse DNA 3135.

Nitronium tetrafluoroborate,

use-uridine (5-nitro-2'-deoxy) synthesis 2941.

p-Nitrophenol,

complex-purine (2-methylthio-6-benzamido), X-ray diffraction 5402.

4-Nitrophenyl phenyl phosphorochloride,

phosphorylating agent, use-oligonucleotide synthesis 1858.

4-Nitroquinoline-1-oxide,binding-DNA, induction- γ -irradiation 2321.

damage-mammalian mitochondrial DNA 907.

damage, mouse cell line, DNA excision-repair 1611.

effect on DNA, *Bacillus subtilis* assay system 1516.

effect on DNA repair, xeroderma pigmentosum cell culture 483.

effect on mouse DNA 3135.

induction-DNA repair, rat lens epithelium 6028.

interaction-nucleotide (deoxyribo), NMR 2955.

N-Nitrosodimethylamine,

DNA damage, detection method 5862.

Nitrosourea,

treated, mouse leukaemia cell, DNA damage/repair 1026.

4-Nitrotrifluoromethylisobutyranilide,

effect on RNA biosynthesis/DNA biosynthesis/protein

biosynthesis, rat prostate gland/seminal vesicle 1427.

Nitrous acid,damage, *Escherichia coli* DNA, repair 1593.

reaction-pyrimidine(2-)hydroxy 4- methyl/

pyrimidine(2- mercapto-methyl)/pyrimidine(2-)amino -4- methyl) 45.

Nitrous oxide,effect on γ -irradiation-induced single-stranded breakage, mouse leukaemia cell culture DNA 910.**NMR**,

cis- diclorobis(1- methylimidazole -2- thiol)pa/ ' cis- dichlorobis(1- methylimidazole- -2 thiol)p, reaction-guanosine/cytidine/91.

adenine (9- β -Dxylofuranosyl) methylated derivative 3346.

adenine nucleotide interaction-catecholamine, effect of metal ion 138.

adenine nucleotide thiophosphate analogue 2180.

adenosine (3-deaza)/adenosine (3-deaza-8-aza) solution conformation 5463.

adenosine (2',3'-O-isopropylidene derivative 5462.

adenosine(2'-amino-2'-deoxy)/adenosine(3'-amino-3'-deoxy)/

puromycin, solution conformation analysis 674.

ADP/ATP/IDP/ITP/GDP/GTP, aqueous solution 1295.

ADP/ATP reaction-mesitoic acid anhydride 5527.

AMP, oxygen-18 isotope shift 5524.

AMP complex-thyroliberin/histidine 2956.

AMP conformation 3730.

AMP conformation, aqueous solution 1853.

Aspergillus oryzae RNase T1 4000.

bisulphite effect on yeast RNA 792.

bisulphite interaction-uridine/uridine (5-fluoro)/UMP 5472.

carbon-13-labelled uracil, *Salmonella typhimurium* rRNA 5S 4839.

chromatin, binding-sodium ion 5344.

comparison-*Escherichia coli* ribosomal protein purification method 3773.

cytidine/guanosine-silver complex 2169.

cytidine/uridine(pseudo)/pyrazomycin 677.

NMR,(continued)

- cytidyl(3'→5')-cytidine conformation, effect of ribose methylation 1308.
- cytosine, interaction-gold complex 649.
- dinucleotide (deoxy)-9-aminoacridine complex 4727.
- DNA, calf thymus chromatin nucleosome core particle 3183.
- DNA/polynucleotide, effect of γ -irradiation 2696.
- Escherichia coli* ribosomal protein S4 conformation 200.
- Escherichia coli* tRNA(methionyl)synthetase interaction-metal ion 3760.
- formycin/nebularine/adenosine(2-aza) 105.
- histone complex 3654.
- histone H1 5309.
- histone H1 phosphorylation/interaction-DNA, effect of phosphorylation 2124.
- γ -irradiation effect on DNA/polynucleotide hydration 2694.
- netropsin-polyd(A-T) complex 1868.
- nucleoside/nucleotide copper complex 107.
- nucleoside polyphosphate-metal complex, model 5523.
- nucleotide (deoxyribo), interaction-4-nitroquinoline-1-oxide 2955.
- oligonucleotide helix-coil transition 1303.
- phage M13 gene (V) protein, unwinding-DNA 1792.
- phosphodiester group blocking, oligonucleotide synthesis 5542.
- poly..d(A-T) intercalation-proflavine 1869.
- poly (G), neutral solution 2969.
- poly(ADP-ribose) 706.
- propidium diiodide interaction-dinucleoside monophosphate 705.
- proton acceptor site detection, uracil/thymine/uracil (5,6-dihydro)/uracil (4-thio)/uracil (5-bromo) 2529.
- purine nucleoside/pyrimidine nucleoside 676.
- purine/purine (8-aza) 5401.
- pyrimidine, effect of methyl/amino group substitution 5415.
- pyrimidine(2- hydrazino -4- hydroxy -6- methyl) complex-copper/cobalt/zinc/nickel 52.
- pyrimidine(5- nitro -1,2,3,4- tetrahydro), trifluoroacetic acid slution 49.
- pyrimidine(pyrrolo[2,3-dl]/nucleoside(7- deaza) 54.
- ribonuclease I, histidine ^1H - ^2H exchange 5219.
- RNA/tRNA hydroxyl group 3043.
- tRNA structure, effect of cation 1329.
- tRNA structure-solution 1330.
- tRNA Val, uridine (dihydro)/adenosine (6-methyl)/guanosine (7-methyl)/thymidine (ribo) 1841.
- RNase, binding-EDTA 2807.
- RNase A, acid denaturation, effect of phosphate 2439.
- RNase A tyrosine residue 5221.
- RNase/deoxyribonucleoprotein conformational mobility 3998.
- RNase I complex-substrate analogue 6143.
- 2-substituted pyrimidine 5412.
- TMP (5'-amino-5'-deoxy) derivative 5535.
- uridine (6-methyl-2-deoxy)/UMP (6-methyl-2-deoxy) 5474.
- yeast tRNA Phe hexanucleotide conformation, role-nucleoside Y 3757.
- yeast tRNA Phe proton exchange rate 1332.
- yeast tRNA Phe structure 724.
- Nocardia*,**
- DNA base composition/homology, relationship-taxonomy 3545.
- Nocardia amarae*,**
- DNA homology-*Nocardia autotrophica* /*Nocardia rhodochrous* 5941.
- Nocardia asteroides*,**
- ribonucleoprotein, cell-mediated immunity, guinea pig 1802.
- ribosome, cross reacting antigen-*Mycobacterium* , review 3323.
- Nocardia autotrophica*,**
- DNA homology-*Nocardia amarae* /*Nocardia rhodochrous* 5941.
- Nocardia citrea*,**
- DNA, nucleotide composition 5938.
- Nocardia corallina*,**
- DNA, nucleotide composition 5938.
- ribosome, cross reacting antigen-*Mycobacterium* , review 3323.
- Nocardia rhodochrous*,**
- DNA homology-*Nocardia autotrophica* /*Nocardia amarae* 5941.
- Nodamura virus,**
- RNA, translation, cell-free system 1470.
- Nonanucleotide,**
- solid-phase synthesis 699.
- Nonhistone protein,**
- acetylation, rat brain, modulation-adrenaline/noradrenaline 5306.
- acetylation, rat liver chromatin, effect of age 3294.
- ADP-ribosylated, purification/characterization, rat liver 3655.
- ADP-ribosylation, rat liver, effect of polyamine 6251.
- binding-benzo(a)pyrene, activation-microsome/nuclear envelope 1977.
- binding-glucocorticoid-receptor complex, rat liver chromatin 5339.
- calf thymus, inhibition-RNA biosynthesis in vitro 2129.
- calf thymus, ubiquitin isolation/identification 5317.
- characterization, comparison-neuronal/glia chromatin 4621.
- chromatin, disappearance during erythroid differentiation, Friend leukaemia cell 6273.
- chromatin/nuclear sap, interaction-DNA, effect of γ -irradiation 4949.
- complex-DNA, centrifugation 4060.
- content, brain, rabbit/guinea pig/rat 4622.
- content, cattle, normal/leukaemia (lymphatic) 4936.
- content, hepatocyte nucleus, effect of α -amanitin 6266.
- content, rat liver chromatin 5335.
- containing, acrylamide gel, use-chromatin fractionation 1203.
- DNA binding, sequence formation-DNA, sequence specificity 4059.
- fractionation, chromatography (affinity), use-histone 2885.
- fractionation, hamster heart 5321.
- fractionation, use-daunomycin-CH-Sepharose 4B chromatography (column) 3662.
- fragment, amino acid sequence 2491.
- Friend cell nucleosome-associated, characterization 4608.
- HeLa cell, role-histone gene expression 6254.
- high-mobility-group, calf thymus, conformation/interaction-DNA 4089.
- high mobility group, calf thymus, purification/characterization 6253.
- high mobility group, characterization, chicken erythrocyte 3661.
- high mobility group, interaction-DNA 1763.
- high-mobility-group, tissue specificity, calf thymus/liver/spleen/kidney 6257.
- high mobility group 14, isolation-pig thymus 1192.
- human leukocyte, comparison-normal/leukaemia, review 5392.
- incorporation-cystamine, effect on chromatin degradation/sulphydryl group level 4067.
- interaction-uridine(5-bromodeoxy)-substituted DNA 1194.
- isolation, method 1193.

Nonhistone protein,(continued)

lymphocyte, chromatography (affinity), DNA-agarose 5320.
 lymphocyte, DNA-binding properties 5316.
 metabolism, mouse liver, effect of urethane 4620.
 nuclear ribonucleoprotein, effect of serum stimulation,
 human fibroblast 607.
 phosphorylation, hamster heart 5319.
 phosphorylation, inhibition-adenosine (3'-deoxy)/ATP (3'-
 deoxy), rat liver 4141.
 phosphorylation, relationship-age, effect of calcium 3292.
 protein kinase substrate, review 5378.
 purification/fractionation 6256.
 rat liver, isoelectric focusing 5315.
 rat testis, characterization 5322.
 release during DNase I digestion, duck erythrocyte
 chromatin 1191.
 removal, effect on chromatin properties 4651.
 rich, chromatin fragment, isolation-chicken erythrocyte/calf
 thymus 1767.
 RNA (heterogeneous nuclear)-associated, characterization
 2884.
 RNA (heterogeneous nuclear)-associated, depletion, rat liver,
 effect of RNA biosynthesis inhibition 4058.
 role, chromatin solubility 2895.
 role-chromatin activation during hyperthyroidism, rat
 myocardium 4642.
 role-HeLa cell metaphase chromosome structure 1220.
 role-prostate gland chromatin interaction-androgen receptor
 complex 5323.
Spirogyra chromatin, characterization 4057.
 tumour-specific, characterization, rat colon 6255.
Zea mays meristem, characterization 5318.
Nonhistone protein HMG2,
 interaction-DNA 1763.
Nonidet P-40,
 activation-Dane particle DNA polymerase 4022.
Nor-pseudo-pelletierene-N-oxide,
 effect on irradiation damage, DNA, aqueous solution 4970.
Noradrenaline,
 effect on calf thymus deoxyribonucleoprotein dissociation
 4050.
 modulation-histone/nonhistone protein acetylation, rat brain
 5306.
 oxidation, copper ion-catalyzed, effect of polynucleotide
 3364.
Norharman,
 inhibition-benzo(a)pyrene binding-DNA 3134.
 interaction-DNA 904.
19-Nortestosterone,
 effect on RNA content, mouse submandibular gland 3031.
Notoc muscorum,
 sulphur-containing nucleotide-peptide complex, isolation/
 activity 1852.
Notophthalmus viridescens,
 blastemata, DNA biosynthesis/protein biosynthesis,
 stimulation-insulin, association-nerve function 427.
Novikoff hepatoma,
 cytoplasm, mRNA methylation, inhibition-S-
 tubercidinylhomocysteine 1435.
 mRNA, fractionation, use-complementary DNA-cellulose
 3791.
 nuclear RNA, adenosine (N⁶,O^{2'}- dimethyl), isolation/
 characterization 2935.
 nucleolar ribonucleoprotein distribution, effect of adriamycin/
 actinomycin D 4051.
 purine nucleoside phosphorylase, role-uracil (5-fluoro)
 sensitivity 4584.

rat, ribonucleoside diphosphate reductase characterization,
 review 4673.
 mRNA, analysis, use-DNA chromatography (affinity) 1923.
 RNA biosynthesis, effect of irradiation (ionizing) 1948.
 RNA metabolism, effect of radiation 304.
 RNA methylation, inhibition-ellipticine/hycanthone/ethidium
 bromide 1434.
 tRNA Phe, base composition, comparison-Ehrlich ascites
 cell/normal mouse/rat liver 2994.
 rRNA 18S, nucleotide sequence 5970.
Nuclear DNA,
 base composition, *Lathyrus* 460.
 binding-8-methoxypsoralen, irradiated human fibroblast
 2698.
 content, assay 4928.
 content, *Echinostelium minutum* 5132.
 content, endependymoma/plexus papilloma, cytophotometry
 362.
 content, *Euglena gracilis* /*Astasia longa* 5811.
 content, heart infarction, periphery 1045.
 content, *Lathyrus*, evolution 5825.
 content, metaplastic/neoplastic squamous cell 5820.
 content, mouse spermatozoa/testis 2307, 2308.
 content, *Pinus rigida* 2676.
 content, plant, relationship-development rate 3122.
 content, *Saccharomyces cerevisiae*, chromosome
 organization 355.
 content-Liriodendron tulipifera/Magnolia soulangiana/
 Cinnamomum camphora/Illicium anisatum angiosperm 363.
 distribution-guinea pig epidermis, during keratinization 513.
 foldback sequence, organization, *Physarum polycephalum*
 5950.
 leukaemia myeloblast, localization-avian myeloblastosis
 virus-specific DNA 509.
 methylation, regenerating rat liver 3586.
 physical properties/chemical properties, effect of manganese
 ion 5070.
 single-stranded, human, isolation/characterization 5067.
 wheat, characterization-inverted repeat sequence 4470.
Nuclear membrane,
 association-DNA biosynthesis, *Chironomus thummi* 2744.
 plant, localization-late replicating DNA 5824.
Nuclear polyhedrosis virus,
Autographa californica /*Trichoplusia ni*, DNA, restriction
 endonuclease analysis 5034.
 DNA, properties, *Trichoplusia ni* /*Pseudoplusia includens* /
 Autographa californica /*Rachiplusia ou* 1538.
 DNA, restriction endonuclease analysis, use-virus
 identification 3615.
Orgyia pseudotsugata, DNA, characterization 1536.
Orgyia pseudotsugata, DNA nucleotide sequence 2348.
 replication, effect of cytosine arabinoside, *Spodoptera*
 frugiperda cell culture 119.
 replication-*Spodoptera frugiperda* cell line, DNA
 characterization 5916.
Spodoptera, characterization DNA 445.
Nuclear protein,
 ADP-ribosylation, effect on DNA biosynthesis, chick
 embryo/chicken liver 4508.
 analysis, *Xenopus laevis* embryo, during development 5324.
 dissociation, supercoiled DNA, human cell 2485.
 interaction-DNA, spermatozoa, mechanisms 645.
 intracellular migration, *Xenopus laevis* oocyte 2908.
 mouse, poly(ADP-ribose) incorporation 606.
 phosphorylation, regenerating rat liver 1181.
 sheep spermatid, characterization 3650.

Nuclear RNA,

comparison-normal/leukosis human leukocyte 2607.
 distribution-guinea pig epidermis, during keratinization 513.
 hybridization-*Drosophila hydei* locus 2-48BC 2266.
 identification/characterization-HeLa cell, biosynthesis-RNA polymerase I 1386.
 low-molecular weight, human normal/leukaemia (lymphoid) lymphocyte 3820.
 low-molecular weight, precursor, localization, HeLa cell 4810.
 methylation, L1210 cell, inhibition-cordycepin/adenosine (xylosyl) 3727.
 Novikoff hepatoma, adenosine (N⁶,O^{2'}-dimethyl), isolation/characterization 2935.
 poly(A)-containing, biosynthesis, stimulation-triiodothyronine, rat liver 3838.
 rat tissue, nucleotide sequence complexity 2269.
 tobacco, sequence complexity 4849.

Nuclease,

see also **RNase, DNase, Endonuclease, Exonuclease**
 activator, purification, interferon-treated Ehrlich ascites cell 6142.

activity, control, *Neurospora crassa* 4544.

activity, creatine phosphokinase, effect on mRNA stability 4545.

activity, DNA protection-histone 1189.

Bombyx mori, comparison-midgut/digestive juice 2077.

Bombyx mori, inhibition-leucine 2075.

degradation, use-chromatin structure determination 1777.

detection, use-sodium dodecyl sulphate-polyacrylamide gel electrophoresis 525.

dextran-bound, *Serratia marcescens*, antitumour activity 1670.

effect on hybridization kinetics 526.

mammalian, review 20.

Micrococcus radiodurans, purification/characterization 5201.

Micrococcus varians, characterization 3252.

Neurospora crassa, purification/characterization 2427.

Neurospora crassa, substrate specificity/mechanism 2428.

phage T5 gene, (D15)role-DNA nicking 1086.

purification/characterization, wheat root 524.

sheep kidney, use-dinucleotide preparation 6129.

Staphylococcus aureus, assay 5205.

structure/function, review 5.

thymine dimer excision activity, detection-KB cell human 3606.

Nuclease B,

Staphylococcus aureus, characterization 1671.

Nuclease P1,

biosynthesis, stimulation-phytin, *Penicillium citrinum* 528.

characterization, *Penicillium* 527.

use-RNA 5'-terminal/3'-terminal sequence analysis 1398.

Nuclease S1,

Aspergillus oryzae, degradation-DNA/RNA, HeLa cell

lysate, presence-urea/sodium dodecylsulphate 344.

detection-DNA damage/repair, (γ -irradiation-treated rat gliosarcoma 3964.

phage PM2 DNA cleavage 489.

use-RNA mapping 170.

use-wheat embryo rRNA 5S conformation study 4306.

Nucleolar organizer,

ultrastructure/activity, mouse meiosis 4540.

Nucleolus,

Ehrlich ascites carcinoma, identification-Sendai virus RNA biosynthesis complex 292.

fibroblast, RNA biosynthesis/RNA content, effect of

adriamycin 1433.

Physarum polycephalum, RNA transcription, control 3077.

rat liver, rRNA analysis 2680.

rat liver, RNA polymerase I/nucleolar template activity, effect of cycloheximide 1121.

rat liver, rRNA processing/migration 2638.

Nucleoplasm,

rat liver, rRNA analysis 2680.

rat liver, rRNA processing/migration 2638.

Nucleoprotein,

see also **Deoxyribonucleoprotein, Ribonucleoprotein**

Andean potato mottle virus, characterization 3647.

complex, replicating SV40, associated DNA polymerase α , characterization 4577.

complex, SV40, interaction-rat liver DNA unwinding protein 3646.

complex, SV40, transcription in vitro 1791.

composition, brome mosaic virus/cowpea chlorotic mottle virus following replication, *Chenopodium hybridum* 4601.

content, myocardium, during heart hypertrophy, rat 597.

core, model, SV40 1172.

degradation, γ -irradiation-induced, effect of cycloheximide/pyromycin, rat thymocyte/mouse thymus 598.

gene, influenza virus A, electrophoresis, effect of temperature 5030.

helix-coil transition 3645.

influenza virus, identification-phosphorylated amino acid 594.

Kilham rat virus, isolation/characterization 2868.

model, histone H1 + DNA complex, binding-actinomycin D 6250.

polymoma virus, nuclease digestion, comparison-mouse chromatin 2120.

turnip yellow mosaic virus, RNA size distribution 2259.

yeast, purification/catalytic activity 2483.

Nucleoside,

see also **specific nucleosides**

analogue, adenine((5)-9-(2,3-dihydroxypropyl)) antiviral activity 4705.

analysis, m RNA, use-chromatography (thin layer) 82.

analysis, urine, chromatography (high performance liquid) 4697.

analysis, use-chromatography (high performance liquid) 78.

antibiotic, tunicamycin, *Streptomyces lysosuperficus*, structure 2945.

assay, colorimetry 1833.

bridged, aminoacyl derivative, synthesis 4699.

copper complex, NMR 107.

daunosamine derivative, synthesis 90.

derivative, detritylation, use-trifluoroacetic acid 4134.

detection, chromatography (thin layer) 1276.

effect on β -galactosidase biosynthesis, *Escherichia coli* K12 5479.

exogenous, effect on mouse embryo development in vitro 117.

identification, chromatography (reversed-phase) 1834.

immobilization method 2533.

interaction-tricarboxylcyclohexadienyliron cation 4701.

interaction-triose reductone 4114.

2',3'-O-isopropylidene derivative, synthesis 1278.

modification-triphenylphosphane/diethyl azidocarboxylate system 3717.

phosphorylation 3718.

poly(iminoethylene)-containing, synthesis/properties 92.

prebiotic synthesis 2524.

role-phosphosphingolipid biosynthesis, *Bacteroides melaninogenicus* 5478.

separation, chromatography (affinity) 41.

Nucleoside, (continued)

separation, chromatography (high performance liquid) 79.
 separation-chromatography (high pressure) 4696.
 structure, determination method 5468.
 synthesis, method 5452.
 synthesis, use-alkylation 670.
 tetrazole, antiviral activity, absence, association-conformation 2946.
 titrimetric determination, use-iodide 80, 81.
 tolerance, suppression-plaque-forming cell, mouse 6231.
 transport, HeLa cell, effect of streptolysin O 5502.
 transport, regulation, *Achlya* 4307.
 tritiated, suiciding-tumour clone cell 680.
 tritium incorporation, aqueous solution 4139.
Nucleoside (8,2'-S-Cyclo),
 synthesis 4128.
Nucleoside (7-deaza),
 NMR 54.
Nucleoside (deoxyribo),
 assay, chromatography (thin-layer) 5442.
 effect on DNA biosynthesis, phage T4-infected cell 4147.
 inhibition-differentiation, embryo cell culture 116.
 synthesis 2938.
Nucleoside (2',5'-Di-O-Acyl),
 separation, chromatography (column) 54.
Nucleoside (3',5'-Di-O-Acyl),
 separation, chromatography (column) 54.
Nucleoside (diazepine),
 synthesis, use-uracil halocarbene adduct 96.
Nucleoside (5-Halo-5'-Amino),
 antiviral activity 5477.
Nucleoside (4'-hydroxymethyl),
 synthesis 669.
Nucleoside (imidazo[4,5-d]pyridazine),
 synthesis 4133.
Nucleoside (2,3'-O-isopropylidene),
 configuration 3347.
Nucleoside (keto),
 antitumour activity, mouse leukaemia 1285.
Nucleoside (2'-Keto),
 biological properties, KB cell 5492.
Nucleoside (seleno),
 NMR spectroscopy 675.
Nucleoside (4-Thiotetofuranose),
 synthesis 5458.
C-Nucleoside,
 synthesis 101.
 synthesis, method 2942.
Nucleoside diphosphatase,
 isoenzyme, onion root, inhibition-sodium fluoride/
 glutaraldehyde 1737.
 role-lactose biosynthesis-associated uridine nucleotide cycle,
 rat mammary gland Golgi apparatus 1158.
Nucleoside diphosphate,
 addition-oligonucleotide, catalysis-phage T4 RNA ligase
 4041.
 effect on *Escherichia coli* RNA polymerase
 polyribonucleotide synthesis/pyrophosphorolysis 6165.
 modified, substrate activity-polynucleotide phosphorylase
 4037.
 modified, synthesis, incorporation-oligonucleotide, use-phage
 T4 RNA ligase 3729.
 pyrimidine analogue-containing, use-polynucleotide
 phosphorylase catalysis-oligodeoxyribonucleotide synthesis
 3356.
 synthesis 132.
Nucleoside diphosphokinase,
 chromatography (affinity) 4033.

Nucleoside monophosphate,
 assay, colorimetry 1833.
 binding-cobalt ion, relationship structure/hydration 4155.
 inhibition-*Escherichia coli* DNA polymerase I exonuclease
 (3'-5') activity 4024.
 8-quinolyl ester, preparation, use-oligodeoxyribonucleotide
 synthesis 5531.
 titrimetric determination, use-iodide 80, 81.
Nucleoside phosphazide,
 synthesis/properties, effect on elongation factor G/elongation
 factor Tu reaction 131.
Nucleoside 5'-Phosphoramidate,
 synthesis 3719.
Nucleoside phosphorylase,
 activity, islets of Langerhan, comparison-rat/rabbit 1149.
 activity during cell cycle, *Tetrahymena pyriformis* 1733.
 deficiency, association-immunodeficiency, review 4668.
 deficiency, association-T lymphocyte immunodeficiency
 1150.
Nucleoside phosphotransferase,
 activity, potato tuber slice 574.
 rat liver, characterization 576.
Nucleoside polyphosphate,
 metal complex, model, X-ray diffraction/NMR/circular
 dichroism 5523.
Nucleoside Q,
 biosynthesis, *Escherichia coli* tRNA Asp, role-methionine
 719.
 containing, tRNA Asp, *Drosophila melanogaster*,
 purification/nucleoside composition 4750.
 precursor, detection-*Escherichia coli* methyl-deficient tRNA
 Asn 1275.
 precursor, guanosine (7-(aminomethyl)-7-deaza), *Escherichia*
coli tRNA, structure determination 5464.
 synthesis 2167.
Nucleoside triphosphatase,
 activity, during malignant transformation, rat liver epithelium
 6220.
 avian myeloblastosis virus, purification/characterization
 1738.
Nucleoside triphosphate,
 incorporation, isolated cell nucleus 4161.
 interaction-*Escherichia coli* RNA polymerase 6174.
 multiple binding sites, *Escherichia coli* RNA polymerase
 5244.
 phosphorus-32-labelled, preparation 136.
 synthesis 132.
Nucleoside Y,
 role-yeast tRNA Phe hexanucleotide conformation, NMR
 3757.
Nucleosidediphosphate kinase,
 kinetics, cattle 2860.
Nucleosidephosphonate,
 synthesis 1279.
Nucleosome,
 aggregate, organization, microscopy 4054.
 calf thymus, structure, use-histone H2B/histone H3/histone
 H4 antibody 2496.
 chick erythrocyte/calf thymus, binding-additional histone
 4631.
 Chinese hamster cell, histone composition 1186.
 core, model 4629.
 core, structure, chromatin 1766.
 core, structure, reconstituted histone-DNA complex 6240.
 core particle, denaturation, chicken erythrocyte 2498.
 core particle, DNA, NMR, calf thymus chromatin 3183.
 core particle subunit, structure, model 4070.

Nucleosome.(continued)

DNA, CHO cell, effect of neocarzinostatin 5852.
DNA, histone sequence, Ehrlich ascites carcinoma 1184.
DNA-histone complex 3659.
double chain, chromatin fragment 4076.
goose erythrocyte, structure, effect of thermal denaturation 6277.
HeLa cell, newly replicated DNA-associated, conformation 4626.
isolation-histone H1-depleted calf thymus chromatin 2132.
mouse ascites cell, association-DNA polymerase β 4029.
occurrence-protein A24, rat liver 2901.
phasing, occurrence-chromatin 1198.
rat, relationship-DNA nucleotide sequence 6280.
rat liver, histone cross-linking liver 2490.
rat liver, histone cross-linking-methylacetimidate 6239.
rat liver nucleus, endogenous transcription complex 2832.
release-chromatin, effect of bleomycin 1201.
repeat length, during erythropoiesis, chick 4628.
spacer DNA, heterogeneity 2886.
structure, calf thymus chromatin, effect of isolation method 4630.
structure, control-DNA excision repair rate, human cell 3213.
structure, electron microscopy 6279.
structure, model 1769.
structure, role-histone H3 disulphide dimer formation 2874.
structure during replication/transcription, model 6281.
Nucleotidase,
assay 2112.
rat spleen, purification/characterization 2116.
5'-Nucleotidase,
activity, absence-leukaemia (chronic lymphocytic) lymphocyte 3274.
activity, comparison-soluble/plasma membra-bound 2141.
activity, diploid cell culture 6215.
activity, effect of detergent 6214.
activity, effect of hormonal regeneration-mouse seminal vesicle 578.
activity, HeLa cell, effect of poliovirus 1 2854.
activity, lymphocyte plasma membrane, effect of lectin 5281.
activity, mouse peritoneal macrophage, regulation 5280.
activity, serum, breast cancer 3273.
assay 4588, 6217.
assay, human blood 1161.
Bacillus cereus, purification/characterization 6218.
content, Malpura sheep 1162.
localization-rat hippocampus 4587.
mouse molar, localization 6219.
occurrence, cord blood lymphocyte 6216.
plasma membrane lymphocyte, purification/characterization 5282.
purification/properties, human erythrocyte 580.
Nucleotide,
UV- irradiation, spectrum 416.
analysis, use-chromatography (high performance liquid) 78.
binding-amino acid sequence, review 1815.
copper complex, NMR 107.
crystal, preparation 688.
derivative, synthesis/properties, review 3696.
detection, chromatography (thin layer) 1276.
DNA ligase affinity, chick embryo 2115.
hypermodified, HeLa cell rRNA 18S/*Saccharomyces carlsbergensis* rRNA 17S, biosynthesis 1418.
identification, RNA biosynthesis intermediate, yeast 4162.
immobilization method 2533.
interaction-gold ion, spectroscopy 89.
interaction-poly (4-vinylpyridine) complex-adenine (9-(w-

chloroalkyl))/(thymine (1-(2-bromoethyl)))/adenine (9-(2-chloroethyl)) 4113.
interaction-triose reductone 4114.
interaction-yeast RNA polymerase I subunit 4014.
isolation-herring sperm DNA 4157.
lysine complex, preparation/immobilization 700.
mercured, use-chromatin transcription 6264.
mixed anhydride-mesitylene carboxylic acid, inhibition-ATPase 1736.
modified, isolation, tRNA 5565.
orate incorporation, effect of pyrimidine (2-thio-4-hydrazino), mouse liver 661.
partitioning, relationship-prebiosis 2548.
peptide complex, isolation/activity, *Chlorella vulgaris* / *Scenedesmus acutus* / *Cosmarium margaritiferum* / *Stichococcus bacillaris* *Anabaena cylindrica* / *Nostoc muscorum* 1852.
peptide complex, tissue specificity 4094.
phosphate group, activation-mesitoyl chloride 1311.
physical properties 410.
reduction, relationship-evolution, review 2505.
separation, chromatography (reversed-phase) 1856.
separation/identification, *Saccharomyces cerevisiae* /mouse liver, use-chromatography (anion-exchange) 687.
site, localization-rat liver mitochondrial DNA 1558.
synthesis 133.
synthesis, *Coxiella burnetii*, role-RNA biosynthesis 2291.
uridine/adenine/guanosine-containing, interaction-2-propanol 5537.
Nucleotide (cyclic),
effect on RNA biosynthesis/ATP level, Ehrlich ascites cell 865.
effect on RNA polymerase activity, rat heart nucleus 1703.
induction alkaline phosphatase, choriocarcinoma cell 118.
Nucleotide (deoxyribo),
addition, catalysis-polynucleotide phosphorylase, oligodeoxyribonucleotide synthesis 3358.
biosynthesis, role-dCMP deaminase, phage T4 2473.
DNA ligase affinity, chick embryo 2115.
interaction-4-nitroquinoline 1-oxide, NMR 2955.
monomethyl ester, chromatography 5532.
n.m.r. 110.
relationship-DNA biosynthesis, review 4107.
Nucleotide pyrophosphatase,
organ distribution/characterization, human/rat/dog 1160.
zinc content/requirement, *Saccharomyces* 1159.
Nucleus,
DNA content, assay, use-fluorochrome 351.
isolated, bovine lymphocyte, chromatin replication 5325.
isolated, nucleoside triphosphate incorporation 4161.
Physarum polycephalum, RNA transcription, control 3077.
rat heart, RNA polymerase activity, effect of nucleotide (cyclic) 1703.
rat liver, RNA biosynthesis 3824.
rat liver, RNA biosynthesis, stimulation triiodothyronine 2287.

Ochratoxin A,
inhibition-*Bacillus subtilis* tRNA (phenylalanyl) synthetase 741.
inhibition-protein biosynthesis, *Streptococcus faecalis* 4219.
Octanucleotide,
self-complementary, synthesis-modified triester method 5540.
solid-phase synthesis 699.

Odontophrynus americanus,

spermatocyte, chromatin structure 4625.

Oestradiol,

effect on DNA biosynthesis, human mammary gland tissue explant 3203.

effect on mouse uterus/liver $\frac{3}{4}$ t RNA(aminoacyl)

transferase content 176.

effect on RNA biosynthesis, rat uterus 3835.

effect on RNA biosynthesis initiation site, rat uterus 5747.

effect on RNA methylation/nucleoside incorporation, rat uterus 1426.

induction-RNA biosynthesis, mouse mammary gland 1430.

receptor complex, distribution-rat uterus chromatin 2889.

17 β -Oestradiol,

stimulation-RNA (heterogeneous nuclear)/rRNA

biosynthesis, rat uterus 1428.

withdrawal, effect on RNA biosynthesis, rabbit corpus

luteum 1429.

effect on preprolactin mRNA activity, rat pituitary gland 1945.

effect on RNA (heterogeneous nuclear) biosynthesis, rat uterus 4326.

induction-vitellogenin mRNA, rooster liver 3078.

stimulation, effect on vitellogenin mRNA accumulation/vitellogenin biosynthesis, chicken liver 3468.

stimulation-DNA polymerase α , uterus, rats, age, effects on 542.**Oestriol,**

effect on RNA biosynthesis initiation site, rat uterus 5747.

stimulation-RNA (heterogeneous nuclear)/rRNA

biosynthesis, rat uterus 1428.

Oestrogen,

binding-DNA/poly(G), activation-rat liver microsome 380.

effect on DNA biosynthesis, pregnancy-dependent mouse mammary tumour 480.

effect on reconstituted histone 3293.

effect on rooster vitellogenin mRNA 2603.

induction-conalbumin/ovalbumin mRNA biosynthesis, chick oviduct culture 4874.

induction-vitellogenin mRNA, kinetics, cockerel 2647.

induction-*Xenopus laevis* vitellogenin mRNA, kinetics,

measurement-complementary DNA hybridization 1393.

receptor, binding-DNA, mouse brain 5363.

receptor, concentration, effect of progesterone, chick oviduct 1716.

receptor, interaction-DNA, specificity 4401.

stimulation-DNA biosynthesis, rat uterus 6017.

stimulation-poly(A)-containing RNA biosynthesis, chicken liver 3834.

Oil,

effect on DNA biosynthesis, mouse uterus 6058.

Okazaki fragment,

biosynthesis during SV40 DNA replication, asymmetry 1034.

formation, *Escherichia coli* DNA replication fork, effect of γ -dUTP 2182.formation, *Escherichia coli* mutant, role-uracil incorporation 2159.

growth direction, during DNA replication, SV40 5980.

initiation-DNA primase, polyoma virus DNA biosynthesis 4593.

terminal determination, *Escherichia coli* DNA cleavage-*Diplococcus pneumoniae* restriction endonuclease 2726.**Okra mosaic virus,**

detection-coat protein mRNA 5654.

Oligo (A),

single-stranded base stacking, calorimetry 1306.

Oligo d(A-T),

structure, X-ray diffraction 151.

Oligo d(G-C),

containing, DNA fragment, isolation, use-poly (C)-Sephadex chromatography 5827.

Oligodeoxyribonucleotide,

analysis, use-chromatography (high performance liquid) 143.

complementary interaction 2972.

inhibition-Rous sarcoma virus replication/chick embryo

fibroblast transformation 2195.

mass spectra, analysis 709.

purification, Sephadex 145.

synthesis 4728.

synthesis, polynucleotide phosphorylase catalysis-nucleotide

(deoxyribo) addition 3358.

synthesis, polynucleotide phosphorylase catalysis, use-

pyrimidine analogue-containing nucleoside diphosphate 3356.

synthesis, use-cyclic enediol pyrophosphate 697.

synthesis, use-nucleoside monophosphate 8-quinolyl ester

5531.

Oligonucleotide,

acylation-mesitoyl chloride, effect of aqueous treatment 698.

addition-nucleoside diphosphate, catalysis-phage T4 RNA

ligase 4041.

adenosine (N⁶-(N-threonylcarbonyl))-containing, synthesis

4167.

base analysis, method 151.

binding-DNA/RNA, determination 1866.

complementary, binding-*Escherichia coli* /*Bacillus**stearothermophilus* RNA 5S, identification-single-stranded

region 3445.

complex formation-ribosomal protein S1 1310.

derivative, modification-DNA/RNA 895.

determination-nucleotide sequence 1302.

fragment, $\frac{3}{4}$ t RNA, sequence determination, use-

chromatography (thin layer) 167.

helix-coil transition, NMR 1303.

helix-coil transition, polyelectrolyte theory 2963.

host range specific, mapping, Moloney leukaemia virus

genome RNA 3802.

incorporation-modified nucleoside 3',5'-bisphosphate, use-

phage T4 RNA ligase 3729.

interaction-mercury ion, circular dichroism 3363.

interaction-oligopeptide, kinetics 4180.

interferon-treated L cell, inhibition-protein biosynthesis, cell-

free system 3745.

labelled, electrophoresis, use-RNA fingerprinting 1397.

lysine complex, preparation/immobilization 700.

phosphate group, activation-mesitoyl chloride 1311.

phosphomonoester/phosphodiester group reactivity, 4166.

prebiosis 146.

primer, inhibition-phage T5 induced DNA polymerase

hydrolysis-template DNA 1667.

priming-DNA synthesis, phage fd/phage ϕ X174 template

1314.

protein biosynthesis inhibitor, interferon-treated chick

embryo cell, comparison-mouse low-molecular weight

inhibitor 3744.

protein biosynthesis inhibitor, isolation/characterization,

interferon-treated cell 2183.

protein biosynthesis inhibitor, synthesis-rabbit reticulocyte

lysate 3367.

RNase T1, occurrence-Moloney leukaemia virus RNA 215

4285.

RNase T1-resistant, characterization/mapping, murine

leukaemia virus 2619.

RNase T1-resistant, murine leukaemia virus recombinant,

Oligonucleotide,(continued)

properties 4187.
synthesis 2962, 3739.
synthesis, phage T4 RNA ligase, substrate specificity 3747.
synthesis, phosphodiester group blocking, NMR 5542.
synthesis, use-<5>substituted pyrimidine nucleoside/RNase 165.
synthesis, use-condensing reagent, triphenylphosphine carbon tetrachloride 5541.
synthesis, use-4 nitrophenyl phenyl phosphorochloride phosphorylating agent 1858.
5'-terminal, distribution-SV40 nascent DNA 2349.
5'-terminal, identification, phage λ /phage T7 RNA transcript 4823.
5'-terminal, RNA in vitro transcript, analysis, use-chromatography (thin-layer) 4822.
Oligonucleotidyl-(5'→N)-Amino acids, synthesis 125.
Oligonucleotidyl-(5'→N)-Peptides, synthesis 125.
Oligopeptide, interaction-oligonucleotide, kinetics 4180.
Olivomycin, inhibition-DNA polymerase/RNA polymerase, review 3322.
Onchorhynchus masou, tRNA Arg content/tRNA (arginyl) synthetase activity, spermatogenesis 168.
Oncornavirus, see also **C-type virus**
book review 5364.
characterization-DNA/detection-DNA polymerase/reverse transcriptase, HEP-2 cell 3913, 4437.
classification, use-RNA 5'-terminal structure 4837.
DNA biosynthesis in vitro 5982.
DNA polymerase inhibitor, review 1234.
endogenous, isolation/characterization-DNA, *Presbytis obscurus* 938.
infection/endogenous expression, inhibition-antiviral agent 5722.
oncogenesis, molecular biology, review 4666.
provirus, DNA expression/synthesis, inhibition-poly (C) 5557.
reverse transcriptase, inhibition-antitumour agent, base specificity 6210.
RNA, oligonucleotide fingerprinting, review 3686.
RNA, transcription/translation, review 3690.
structure, review 2518.
Oncornavirus (avian), protein biosynthesis, review 4667.
recombinant, RNA, 3'-terminal/5'-terminal sequence, parental identification 4351.
reverse transcriptase, associated unwinding activity 4582.
reverse transcriptase, transcription-RNA 1140.
Oncornavirus (mammalian), protein biosynthesis, review 4667.
Onion, root, nucleoside diphosphatase isoenzyme, inhibition-sodium fluoride/glutaraldehyde 1737.
Operator, DNA, interaction-repressor(lac), effect of magnesium ion/sodium ion 1807.
Operator (lac), *Escherichia coli*, synthesis/cloning 6119.
recognition sequence, containing, DNA, cloning-*Escherichia coli* 6093.
Operon, biotin, regulation fragment, *Escherichia coli* DNA, isolation 5940.

Operon (deo), *Escherichia coli*, transcription unit overlapping 447.
Escherichia coli, transcription initiation regulation 3064.
regulation, *Escherichia coli* 3246.
structure, *Escherichia coli* 956.
Operon (lac), *Escherichia coli*, restriction endonuclease HindII fragment, insertion phage M13 517.
fusion-gene (ilvC), *Escherichia coli* K12, characterization 2064.
molecular model 1060.
mRNA, *Escherichia coli*, stability/translation kinetics 877.
mRNA, degradation, role-translation 4368.
mRNA, transcription, *Escherichia coli* cell extract, coupling-translation 2292.
Operon (leu), enzyme level, relationship-mRNA content, *Escherichia coli* 781.
Operon (rpoBC), transcription, effect of RNA polymerase subunit gene mutation, *Escherichia coli* 2827.
Operon (trp), *Escherichia coli*, operator region, sequence analysis 5037.
Escherichia coli, promoter-operator region, nucleotide sequence 5036.
Escherichia coli /*Salmonella typhimurium*, structure/regulation-transcription termination 1955.
Escherichia coli /*Salmonella typhimurium*, initial transcribed region, nucleotide sequence, comparison 5038.
Salmonella typhimurium, promoter-operator region, nucleotide sequence 5039.
transcription, chloramphenicol-treated *Escherichia coli*, mRNA release 4877.
Orang utan, chromosome, human satellite DNA complementary sequence distribution 456.
Orgyia pseudotsugata, nuclear polyhedrosis virus, DNA, characterization 1536.
Orgyia pseudotsugata, nuclear polyhedrosis virus, DNA nucleotide sequence 2348.
Ornithine decarboxylase, activity, regenerating rat liver, relationship-DNA biosynthesis 2048.
regulation-RNA polymerase I activity 3265.
Ornithogalum elatum, endosperm, nucleolar DNA amplification 467.
Orotic acid, incorporation-RNA, mouse/rat/human tumour 847.
Orthophosphate, inhibition-phage Q β RNA polymerase, effect of metal ion/substrate/template 5239.
Oryza sativa, embryo, histone mRNA biosynthesis 826.
Oryzias latipes, DNA content, effect of age 4376.
Osmium tetroxide, reaction-poly A (1,N⁶-etheno) 135.
use-DNA nucleotide sequence determination 3148.
use-poly-nucleotide electron microscopy 1861.
Ouabain, effect on Sindbis virus RNA biosynthesis, ouabain-sensitive/resistant *Aedes albopictus* 4315.
Ovalbumin, m RNA, chick, isolation, agarose gel 238.

Ovalbumin, (continued)

m RNA, coding sequence, presence-chicken DNA restriction fragment 454.
 gene, fragment, isolation, use-cloning 4539.
 gene, organization, chicken DNA 3179.
 gene, purification, chick DNA 1493.
 gene, restriction endonuclease mapping, detection-intragenic DNA spacers 3550.
 gene, sequence, chicken DNA 5962.
 gene, transcription-RNA polymerase II, hen oviduct 3071.
 mRNA, biosynthesis, induction-oestrogen/progesterone, chick oviduct culture 4874.
 mRNA, chicken, nucleotide sequence 5063.
 mRNA, chicken, 5'-terminal nucleotide sequence 5710.
 mRNA, chromatography, use-complementary DNA-cellulose 5662.
 mRNA, isolation-chicken oviduct polyribosome 1394.
 mRNA, secondary structure, comparison-complementary DNA transcript 1927.
 mRNA, translation-reticulocyte lysate 2208.
Ovary,
Carinus maenas, tRNA methylation, inhibition-androgenic gland extract 721.
Oviduct,
 chick, DNA polymerase activity/oestrogen receptor concentration, effect of progesterone 1716.
 hen, elongation factor EF-2, purification/characterization 224.
 hen, initiation factor IF-2, purification/characterization 3421.
Ovomucoid,
 mRNA, isolation-chicken oviduct polyribosome 1394.
Ovum,
Owenia fustiformis,
 chromatin, nuclear protein incorporation during regeneration 3302.
 DNA biosynthesis, during development 5077.
Oxalyl chloride,
 interaction-pyrimidine (4,6-dichloro-2-amino) 1821.
Oxoglutarate,
 effect on thiol content/spleen chromatin 5342.
Oxygen,
 concentration, effect on DNA strand breakage, irradiated Chinese hamster cell 1508.
 effect on γ -irradiation, *Micrococcus radiodurans* 3502.
 effect on poly (A-U)/DNA-OH adduct 4726.
 stimulation-poly (ADP-ribose) biosynthesis, chick embryo heart cell culture 4736.
Oxypurinol,
 effect on xanthine dehydrogenase, turkey liver 4597.
Oxytricha,
 histone characterization 603.
 macronucleus, DNA terminal sequence 2003.
 macronucleus DNA, inverted terminal repeat sequence, isolation/characterization 4454.
Ozone,
 effect on DNA degradation, *Escherichia coli* K12 3251.
 induced, DNA repair, *Escherichia coli* 5099.
 induction-DNA breakage, aerosolized *Escherichia coli* 1985.
 modification-RNase T1 4557.

***Pagurus pollicaris*,**

satellite DNA, nucleotide sequence 2361.
 satellite DNA first-neighbour frequency, circular dichroism 3548.

Palladium,

complex-adenine, IR-spectroscopy 635.

***Panax ginseng*,**

extract, stimulation-DNA biosynthesis/RNA biosynthesis, rat bone marrow 2771.
 root extract, stimulation-DNA biosynthesis/protein biosynthesis, rat testis 5139.

Pancreas,

bovine, histone characterization 1759.
 bovine, tRNA (tryptophanyl) synthetase activity, role-histidine residue 4769.
 dog, amylase mRNA, isolation/translation *in vitro* 1962.
 rat, DNA biosynthesis, effect of bovine pancreatic polypeptide 1006.
 rat, poly (A)-containing RNA frequency distribution during development 1461.

***Panicum miliaceum*,**

style/stigma/pollen, RNA content 1390.

Papaverine,

inhibition-protein biosynthesis, *Xenopus laevis* oocyte 3002.

Papaya mosaic virus,

RNA, 5'-terminal structure 5693.

Papilloma virus (human),

DNA, palindrome sequence, characterization 1537.
 DNA heterogeneity 5929.
 DNA homology 5926.
 isolation/properties 944.

***Papio cyanocephalus*,**

endogenous virus reverse transcriptase, purification/characterization 1731.

Papovavirus,

DNA, detection, multiple sclerosis 352.
 review 5379.

***Paracentrotus lividus*,**

mitochondria, DNA polymerase activity during development 565.

Paracetamol,

effect on DNA biosynthesis/protein biosynthesis following γ -irradiation, *Escherichia coli* 1013.

***Paramecium aurelia*,**

chromatin repeat unit analysis 1770.
 mitochondrial DNA, characterization 3920.
 mitochondrial DNA, cleavage-restriction endonuclease EcoRI 5050.
 replication-mitochondrial DNA 2743.

***Paramecium tetraurelia*,**

cell cycle, DNA content 5809.
 cell cycle, regulation-DNA content 3562.
 DNA/protein biosynthesis, effect of excess DNA 6053.

Paraquat,

effect on DNA biosynthesis, rat lung 1623.

Parotid gland,

bovine, DNase I, purification/characterization 1694.

Parthenocissus,

tRNA, extraction, use-Sepharose 4B chromatography 4192.

Parvovirus (bovine),

infected spleen cell, DNA polymerase activity 5256.

Parvovirus LuIII,

DNA replication, Brij-58 lysed NB cell 6002.

Pea,

see also **Pisum**

poly (A)-containing mRNA, high-molecular weight ribulose biphosphate subunit precursor biosynthesis 4323.
root, nucleus, deoxyribonucleoprotein DNA, binding-aluminium 1755.

seed, ribosomal protein, pH acidic 3398.

seedling, DNA characterization following injury 3558.

Peanut stunt virus,

associated satellite-like RNA, characterization 5697.

Pemphigus vulgaris,

epithelium cell, uptake-tritium-labelled thymidine 121.

Penicillium,

characterization nuclease P1 527.

Penicillium brevicompactum,

RNase, 2',3'-CMP cleavage, reaction mechanism 2080.

Penicillium chrysogenum,

mycophage, double-stranded RNA, induction-interferon, comparison-*Penicillium chrysogenum* mycophage/reovirus 1455.

purification/characterization-RNase 546.

virus, RNA, terminal structure 257.

Penicillium citrinum,

nuclease P1 biosynthesis, stimulation-phytin 528.

virus, double-stranded RNA, characterization 2627.

Penicillium claviforme,

RNase, isolation/characterization 6137.

Penicillium roqueforti,

PR toxin, inhibition-rat liver protein biosynthesis 5600.

Pentagastrin,

effect on protein biosynthesis, rat stomach mucosa ribosome, cell-free system 2226.

Peptide,

chain initiation, effect of abrin, wheat germ cell-free system 228.

interaction-adenine + cytosine-containing polynucleotide, circular dichroism 3742.

interaction-DNA, use of proflavine probe 3129.

nucleotide complex, tissue specificity 4094.

Peptidyltransferase,

centre, *Escherichia coli* ribosome, substrate specificity 3780.
Escherichia coli, substrate, adenine nucleoside aminoacyl derivative 112.

Perichromatin,

granule, rat hepatocyte, effect of cortisol/cycloheximide 1776.
like granule, rat liver, nucleolar origin 5329.
structure/cytochemistry 3300.

Peridinium balticum,

chromatin, isolation-histone 2136.

Periplaneta americana,

haemocyte, localization-RNA/DNA 3859.

Peritoneal exudate cell,

immune RNA-mediated transfer-tumour antigen response 2119.

Peromyscus,

chromosome, genome characterization 6303.

Peromyscus eremicus,

heterochromatin DNA, transcript RNA, characterization 2630.

metaphase chromosome, localization-satellite DNA/poly(A)-containing RNA sequence 1782.

Petroselinum hortense,

mRNA, control-phenylalanine ammonia-lyase activity 3113.

mRNA, translation-*Xenopus laevis* oocyte 1965.

Petroselinum sativum,

DNA sequence organization 2736.

Petunia,

root, RNA content, effect of petunia mottle virus infection 836.

Petunia hybrida,

DNA content during development 324.

DNA polymerase, transcription-bacterial DNA 1723.

DNA repair, UV-irradiation-induced 5122.

protoplast, uptake-*Escherichia coli* DNA 3594.

Petunia mottle virus,

infection, effect on petunia root RNA content 836.

PFI virus,

DNA, packaging, comparison-Xf virus 1534.

pH,

effect on acridine orange DNA staining during mitosis 1477.

effect on cytidine (O²-ethyl)/cytidine (O⁴-ethyl)/uridine (O²-ethyl)/uridine (O⁴-ethyl)/thymidine (O²-ethyl)/thymidine (O⁴-ethyl) stability 2944.

effect on DNA biosynthesis, *Strongylocentrotus purpuratus* egg 1037.

effect on elongation factor G GTPase activity regulation 5645.

effect on normal/uracil (5-fluoro)-containing tRNA properties, *Escherichia coli* B 728.

effect on poly (A), UV-spectroscopy 5548.

effect on poly(A)-containing RNA, extraction-*Glycine max* seed 240.

effect on RNA biosynthesis promoter site initiation 4881.

effect on RNA/protein biosynthesis, *Candida utilis* 4891.

Phage,

Bacillus licheniformis / *Bacillus thuringiensis*, DNA,

degradation-restriction endonuclease EcoRI 485.

DNA, detection, use-ethidium bromide fluorescence 3491.

DNA, hyperchromism 4429.

DNA, molecular weight, use-electron microscopy 926.

DNA, *mycobacterium butyricum* / *mycobacterium phlei*, characterization 5002.

DNA, uptake, *Escherichia coli* C cell surface

lipopolysaccharide/membrane protein mutation, effects on microvirid phage DNA transfection 6076.

DNA rearrangement, review 2515.

infection, human lymphocyte, effect on DNA biosynthesis 5086.

mutant, DNA length, electron microscopy 426.

repressor inactivation, mechanism 3572.

RNA biosynthesis, relationship-*Escherichia coli* rRNA biosynthesis 827.

single-stranded DNA, growth-*Escherichia coli* replication mutant 5999.

Phage α3,

DNA biosynthesis, *Escherichia coli* replication mutant 2748.

Phage β,

DNA, relationship-phage γ 2712.

Phage β1,

DNA, transfection-*Bacteroides thetaiotaomicron* 1066.

Phage γ,

DNA, relationship-phage β 2712.

Phage λ,

b2 deletion, measurement 1993.

chromosome integration, role-DNA insertion sequence IS 3982.

cro protein, action mechanism 4093.

deletion/substitution mutant, DNA, mapping 927.

DNA, att site structure 928.

Phage λ , (continued)

DNA, attachment site, nucleotide sequence 3521.
 DNA, cos site, nucleotide sequence 3908.
 DNA, denaturation-magnesium chlorate, spectroscopy/electron microscopy 3907.
 DNA, effect of psoralen-damaged phage λ superinfection, *Escherichia coli* 2792.
 DNA, effect of psoralen-damaged phage 186, *Escherichia coli* 2793.
 DNA, *Escherichia coli* transfection efficiency 6105.
 DNA, function, relationship-sequence 4528.
 DNA, in vitro transcription 2274.
 DNA, interaction-furocoumarin 4408.
 DNA, UV-irradiation-induced binding-angelicin/xanthotoxin 2332.
 DNA, isolation-*Escherichia coli* genome attachment site-containing restriction fragment 2678.
 DNA, localization-*Escherichia coli* ribosome binding site 2710.
 DNA, restriction endonuclease cleavage site, mapping 1995.
 DNA, restriction endonuclease mapping 2342, 2343, 2344, 5899.
 DNA biosynthesis, requirement-*Escherichia coli* gene (dnaJ)/gene (dnaK) 6000.
 DNA late transcription, depression-*Escherichia coli* minicell 849.
 DNA length, electron microscopy, dependence-dehydration 3161.
 DNA packaging, electron microscopy 5896.
 DNA packaging, role-cohesive end site/gene (A) protein 2708.
 DNA packaging, role-gene (D) protein 2709.
 DNA repair, *Escherichia coli* gene (dnaB) mutant, effect of temperature shift 1584.
 DNA repair, role-gene (lex) 6022.
 DNA replication, nitrous acid-induced deletion 988.
 DNA replication, review 3697.
 DNA replication, role-gene (O)/gene (P) product 3965.
 DNA replication initiation in vitro, gene (P) product promotion 2377.
 DNA sequence homology-phage ϕ 80/ ϕ 81 2707.
 DNA vector, construction/characterization 6106.
 exclusion-phage T1 3239.
 galactose operon containing recombinant plasmid, construction 5167.
 gene (cro), nucleotide sequence 1527.
 gene (cro)/gene (cII)-containing DNA, nucleotide sequence 4430.
 gene (N) protein, identification 6108.
 head, DNA arrangement, X-ray diffraction 932.
 integration/excision, review 3695.
 mediated transduction, plasmid COLE1 DNA 2411.
 mouse globin gene containing, cloning 1065.
 penetration-*Escherichia coli*, role-phosphoenolpyruvate-sugar phosphotransferase 5187.
 phage ϕ 80 hybrid, DNA, restriction endonuclease Hind/*Escherichia coli* RNA polymerase cleavage pattern 1665.
 promoter, enhancement-cloned plasmid transcription 6107.
 promoter(trp) mRNA stability, role-gene(tof) product 1651.
 prophage DNA, transfection-*Escherichia coli* spheroplast 5181.
 protein(cro), protein, properties/structure 1222.
 replication origin-containing plasmid, construction 5166.
 replication protein, biosynthesis-cell-free system 1346.
 repressor, amino acid sequence 3679.
 repressor, expression, control-gene (tof) 6104.
 RNA, characterization-*Escherichia coli* ribosome binding

site 795.

RNA biosynthesis, effect of salt concentration/heparin/enzyme-DNA ratio/temperature 4882.
 RNA transcript, identification-5'-terminal oligonucleotide 4823.
 mRNA transcription, specificity 5732.
 rRNA gene promoter region, cloning 2072.
 structure/assembly, review 3692.
 transducing, DNA, restriction endonuclease EcoRI cleavage mapping 3522.
 transducing, rRNA transcription 3826.
 transducing, use-*Escherichia coli* K12 cysteine mRNA biosynthesis regulation determination 1949.
 transduction-gene (rep), *Escherichia coli* 2061.
 transfection-*Escherichia coli* K12, calcium chloride-dependent system, characterization 5188.
Phage λ fus2,
 carrying, *Escherichia coli* ribosomal protein gene, organization/identification 1998.
Phage λ fus3,
 DNA, use-*Escherichia coli* ribosomal protein gene mapping 2001.
Phage λ gt,
 hybrid-plasmid pMB9, transduction-*Escherichia coli* 3238.
Phage λ plac5,
 DNA, RNA polymerase binding site 1992.
Phage ϕ A,
 DNA/growth, infected *Escherichia coli*, effect of mitomycin C 3573.
Phage ϕ B,
Brevibacterium flavum, DNA, characterization 3524.
 DNA, denaturation map 930.
 DNA, partial denaturation, effect of denaturation condition 5901.
Phage ϕ e,
Bacillus subtilis, DNA, characterization, comparison-phage SP82/phage SPO1 5913.
Phage ϕ LL55,
 infected *Lactobacillus lactis*, DNA biosynthesis/RNA biosynthesis/protein biosynthesis 3568.
Phage ϕ XsB1,
 restriction, *Escherichia coli* B restriction endonuclease recognition site DNA 5900.
Phage ϕ XtB,
 DNA, restriction endonuclease HaeIII fragment, comparison-phage ϕ X174/phage St-I 5003.
Phage ϕ X174,
 closed double-stranded circular DNA, interaction-single-stranded DNA, endonuclease digestion 2685.
 codon use, pattern 3767.
 DNA, denaturation map 5897.
 DNA, duplex region, cleavage-*Haemophilus aegyptius* restriction endonuclease 1698.
 DNA, heterologous transfection system 4529.
 DNA, irradiation treated, effect of H radical 4397.
 DNA, nucleotide sequence 5898.
 DNA, photodynamic effect-proflavine 3132.
 DNA, photodynamic inactivation-proflavine, mechanism 917.
 DNA, replication in vitro, uracil excision-repair, during 5101.
 DNA, replication origin, nucleotide sequence 4431.
 DNA, restriction endonuclease HaeIII fragment, comparison-phage ϕ XtB/phage St-I 5003.
 DNA, substrate, DNA biosynthesis, effect of UV-irradiation-induced mutagenesis 6018.
 DNA biosynthesis, *Escherichia coli* mutant (dnaH), effect of rifampicin/uracil depletion 3567.

Phage ϕ X174.(continued)

DNA biosynthesis, role-*Escherichia coli* gene(dnaB) protein 989.

DNA biosynthesis in vitro, dependence-replicative form DNA 462.

DNA melting curve 1529.

DNA photodynamic inactivation-proflavine hemisulphate 385.

DNA replication cycle, electron microscopy 3162.

Escherichia coli, coinfection-phage G4, dimeric replicative form DNA, origin 5907.

gene (dnaB) protein, characterization/role-DNA biosynthesis 5087.

gene (G)-containing plasmid ϕ XG, construction/characterization 2790.

infected *Escherichia coli*, eclipsed particle production 3972.

UV-irradiation treated, DNA biosynthesis, native/UV-irradiation treated *Escherichia coli* 2755.

single-stranded DNA, photosensitization-proflavine, effect of sulphur compound 4957.

single-stranded DNA biosynthesis, effect of chloramphenicol/rifampicin 2384.

superhelical DNA, effect of bleomycin 5849.

template, DNA synthesis, priming-oligonucleotide 1314.

Phage ϕ 105,

Bacillus subtilis superinfection, phage DNA degradation 4473.

infected *Bacillus subtilis*, DNA transfection activity/structure 6103.

Phage ϕ 15,

DNA, restriction endonuclease target site distribution 1528.

Phage ϕ 29,

DNA, restriction endonuclease target site distribution 1528.

DNA, transfection-*Bacillus subtilis*, dose response 1640.

DNA-protein complex, characterization 3305, 4657.

DNA 5'-terminal-associated protein, isolation/characterization 6312.

mRNA biosynthesis/properties, UV-irradiation-treated *Bacillus subtilis* 3827.

Phage ϕ 6,

RNA, fixation, chromic acid + formaldehyde 3523.

Phage ϕ 80,

DNA, restriction endonuclease mapping 2344.

DNA sequence homology-phage λ/ϕ 81 2707.

phage λ hybrid, DNA, restriction endonuclease Hind/

Escherichia coli RNA polymerase cleavage pattern 1665.

prophage induction, *Escherichia coli*, role-gene (recBC) DNase 5229.

Phage ϕ 81,

DNA sequence homology phage λ/ϕ 80 2707.

Phage ω 3,

DNA, transfection, pneumococcus 2412.

Phage A25,

replication, interference mechanism, *Streptococcus pyogenes* 5088.

Phage c_d ,

effect of O-methylhydroxylamine 4395.

Phage DDDI,

DNA methylase activity, effect of S-adenosyl/S-uridyl/S-cytidyl/S-inosyl homocysteine 5288.

Phage Dp-4,

DNA, interaction-*Streptococcus pneumoniae* 3983.

Phage fd,

DNA, interaction-*Escherichia coli* RNA polymerase, binding site mapping, electron microscopy 430.

DNA, interaction-*Escherichia coli* RNA polymerase, dissociation kinetics 553.

DNA, melting curve/denaturation map 5905.

DNA, melting region, mapping 3164.

DNA-binding protein, interaction-DNA, characterization 6308.

DNA replication origin, nucleotide sequence 2345.

DNA-RNA helix, photochemical cross-linking-psoralen derivative 2699.

single-stranded replicative form conversion origin, RNA sequence determination 2615.

template, DNA synthesis, priming-oligonucleotide 1314.

transposition-*Escherichia coli* kanamycin resistance sequence 3240.

Phage FIC,

growth, host-dependent restriction, *Escherichia coli* 3840.

Phage f1,

DNA, gene (IV) fragment, nucleotide sequence 3529.

gene (5) product, interaction-DNA/poly nucleotide 3871.

infected *Escherichia coli*, RNA translation in vitro 4904.

protein A, gene (3) product, complex-DNA, characterization 6313.

replication origin, nucleotide sequence 431.

Phage f2,

double-stranded-RNA, induction-interferon, human leukocyte 3097.

RNA, secondary structure 246.

Phage g12,

DNA, characterization 4434.

Phage g16,

DNA, characterization 4434.

Phage g18,

DNA, characterization 4434.

Phage g3,

DNA, characterization 4434.

Phage G4,

closed double-stranded circular DNA, interaction-single-stranded DNA 2684.

closed double-stranded circular DNA, interaction-single-stranded DNA, branch migration 2686.

closed double-stranded circular DNA, interaction-single-stranded DNA, endonuclease digestion 2685.

DNA, negative strand initiation site, nucleotide sequence 5005.

DNA replication initiation, *Escherichia coli* gene (dnaG) protein RNA primer, characterization 5703.

double-stranded DNA replication, *Escherichia coli* mutant (dna) 5089.

Escherichia coli coinfection-phage ϕ X174, origin-dimeric replicative form DNA 5907.

gene K identification 4435.

replicative form DNA, synthesis 2749.

replicative form DNA, synthesis, origin 2714.

replicative form location, 3'-terminal location 933.

single-stranded DNA, synthesis 2715.

viral/complementary DNA biosynthesis origin, nucleotide sequence 3166.

Phage g8,

DNA, characterization 4434.

Phage J1,

DNA, physical properties 929.

Phage MS2,

codon use, pattern 3767.

poly(A)-containing RNA transcript, in vitro synthesis-avian myeloblastosis virus reverse transcriptase 1139.

RNA, binding-platinum surface 242.

RNA fragment, regulation activity 3096.

Phage Mu,

adsorption, role-DNA G segment orientation 3909.

Phage Mu,(continued)

deletion mutant, DNA characterization, electron microscopy 934.

DNA, G segment orientation, role-growth 3530.

DNA G segment, inversion 5010.

immunity gene, cloning 2059.

infectivity, role-DNA G segment orientation 3906.

integration mechanism 5185.

protein biosynthesis, infected *Escherichia coli* minicell 5595.

protein biosynthesis in vitro 4215.

Phage Mu-1,

early functions, role-*Escherichia coli* chromosome aberration 3676.

inhibition-*Escherichia coli* mutant (recA) DNA breakdown 6128.

use-*Escherichia coli* plasmid RP4 transposition 6100.

Phage MX4,

Myxococcus xanthus, DNA, characterization 2711.

Phage M13,

DNA, replicative intermediate, structure 4433.

DNA, transcription mechanism 4850.

DNA-binding protein, cross-linking-single-stranded DNA, *Escherichia coli* UV-irradiation 1223.

DNA replication, electron microscopy 1570.

DNA replication, role-DNA polymerase I-associated nuclease (exo) 1087.

duplex DNA, replication, cell-free system 4472.

gene (V) protein, unwinding-DNA, NMR 1792.

hairpin DNA, isolation/characterization 2679.

insertion-*Escherichia coli* operon(lac) restriction endonuclease HindII fragment 517.

nascent replicative form DNA, structure 2346.

replicative form DNA, electron microscopy 1533.

single-stranded DNA, UV-irradiation cross-linking-DNA-binding protein 2904.

single-stranded-DNA, methylation, introduction-restriction endonuclease cleavage site 5906.

single-stranded DNA, transcription-*Escherichia coli* RNA polymerase, effect of *Escherichia coli* DNA-binding protein 1224.

Phage M2,

Bacillus subtilis, genome DNA, mapping 1531.

DNA, restriction endonuclease target site distribution 1528.

Phage Nf,

DNA, restriction endonuclease target site distribution 1528.

Phage N4,

RNA polymerase, structure/transcription selectivity 6163.

RNA polymerase, template requirement 6169.

Phage PBS2,

DNA polymerase, inhibition-dextran sulphate DNA contamination 5258.

RNA polymerase, transcription specificity 2095.

Phage PL-1,

Lactobacillus casei, DNA characterization/transcription 5009.

Phage PM2,

circular DNA, ethanol solution, circular dichroism 3528.

DNA, binding-iodine-125-labelled proflavine (iodo), induction-double-stranded breakage 3131.

DNA, methyl methanesulphonate-alkylated, repair, requirement-DNA N-glycosidase/apurinic site-specific endonuclease 1011.

DNA replication, localization-infected *Pseudomonas* membrane 4483.

double stranded DNA, fragmentation-bleomycin 4951.

Phage PR5,

DNA, characterization 5909.

Phage PS8,

Agrobacterium tumefaciens, DNA physicochemical properties 2713.

Phage P1,

DNA, localization-insertion sequence IS1 5903.

DNA G segment, inversion 5010.

plasmid maintenance mutant, *Escherichia coli*, characterization 4986.

Phage P2,

DNA, maturation 5125.

DNA replication, strand-specific breakage 3945.

mutual derepression, phage P4 5182.

Phage P22,

DNA, restriction endonuclease mapping 3165.

DNA packaging, analysis 3199.

head, DNA arrangement, X-ray diffraction 932.

lysogen-excision defective, replication/DNA encapsidation 5090.

repressor (c2), purification/properties 1800.

transduction-*Salmonella typhimurium*, prophage excision defect 6109.

Phage P4,

DNA, restriction endonuclease cleavage mapping 5908.

genome, mapping 3532.

genome, transcription map 3533.

hybrid-plasmid ColE1, construction/characterization 6097.

mutual derepression, phage P2 5182.

Phage P7,

DNA G segment, inversion 5010.

Phage Q ϕ ,

clone, RNA nucleotide sequence heterogeneity 3432.

coat cistron initiator region site-directed mutation, effect on RNA binding-ribosome 2255.

coat protein gene segment, enzymatic synthesis 4189.

host factor, RNA-binding protein, use-phylogeny study, *Pseudomonas* 4652.

poly(A)-containing RNA transcript, in vitro synthesis-avian myeloblastosis virus reverse transcriptase 1139.

RNA, recognition site, *Escherichia coli* ribosomal protein S1 772.

RNA, secondary structure 246.

RNA polymerase, inhibition-orthophosphate/pyrophosphate, effect of metal ion/substrate/template 5239.

RNA replication, polymer formation rate 4883.

RNA 6S, nucleotide sequence, interaction-RNA replicase 4277.

variant, RNA, inactivation-UV-irradiation 790.

Phage R17,

DNA, interaction-benzo(a)pyrene 7,8-dihydrodiol-9,10-oxide 5858.

Phage S-2L,

DNA, adenine, purine (2,6-diamino)-substituted 5911.

Phage SD,

DNA, interaction-sodium bisulphite 365.

DNA packaging, use-light-induced capsid degradation 428.

Phage sd,

DNA, effect of 8-methoxypsoralen + UV-irradiation 4969.

UV-irradiation-induced mutagenesis, role-thymine dimer 1495.

Phage SPO1,

Bacillus subtilis, DNA, characterization, comparison-phage SP82/phage ϕ e 5913.

DNA, binding-*Bacillus subtilis* RNA polymerase, effect of transcription inhibitory protein 5249.

gene (31) temperature-sensitive mutant, DNA biosynthesis 6048.

Phage SPO1,(continued)

modified. *Bacillus subtilis* RNA polymerase subunit, purification 2829.
modified *Bacillus subtilis* RNA polymerase, promoter recognition 3622.
mRNA, translation, *Bacillus subtilis* minicell 5789.

Phage SPPI,

DNA, complementary strand polarity 5914.

Phage SP82,

Bacillus subtilis, DNA, characterization, comparison-phage SPO1/phage ϕ e 5913.

DNA, transcript localization 1916.

modification-*Bacillus subtilis* RNA polymerase, effect on-transcription specificity 5245.

RNA translation product, in vivo/in vitro 2302.

Phage SP82G,

renatured DNA, biological activity 1641.

mRNA, translation, *Bacillus subtilis* minicell 5789.

Phage St-I,

DNA, restriction endonuclease HaeIII fragment, comparison-phage ϕ X174/phage ϕ XtB 5003.

Phage Tg9,

DNA, denaturation map 930.

DNA, partial denaturation, effect of denaturation condition 5901.

Phage T1,

DNA, UV-irradiation-induced damage, immunological activity 1751.

exclusion-phage λ 3239.

iodine-125 decay, DNA breakage/repair 5868.

Phage T2,

DNA, binding-*Escherichia coli* RNA polymerase 1111.

DNA, double-stranded breakage, production-bleomycin 384.

DNA methylase, adenine-specific, sequence specificity 3276.

high-molecular weight DNA, physical properties, effect of sodium chloride concentration 3525.

infected, *Escherichia coli*, RNA polymerase kinetics 2821.

UV-irradiation/X-irradiation-treated, effect on *Escherichia coli* RNA biosynthesis 4321.

tRNA, 3'-terminal residue biosynthesis, evolution 4745.

Phage T3,

DNA, in vitro packaging 5006.

DNA transcription-RNA polymerase, *Escherichia coli* cell-free system, effect of temperature 3828.

plasmid F' DNA protection-host-controlled restriction, *Escherichia coli* 2410.

RNA polymerase, transcript size/interaction-DNA 2098.

Phage T4,

amber mutant, suppressed, mutator/antimutator phenotype 2058.

anti-late RNA biosynthesis, regulation 289.

dCMP deaminase, role-nucleotide (deoxyribo) biosynthesis 2473.

deoxynucleotide kinase mRNA stabilization, role-*Escherichia coli* ribosome 4243.

DNA, cloning 2057.

DNA, complex-ethidium bromide, fluorescence depolarization 386.

DNA, endonuclease cleavage kinetics 1666.

DNA, fragment, cloning 1069.

DNA, packaging 3527.

DNA, purine (2-amino) incorporation, mutation frequency, effect of temperature 1266.

DNA, resistance-restriction endonuclease, role-gene 2 product 2799.

DNA, uptake-human cell culture 3592.

DNA arrangement 1532.

DNA ligase, joining-DNA restriction endonuclease fragment 5287.

DNA ligase activity, effect of ATP analogue 5286.

DNA packaging 427.

DNA polymerase, biological properties, effect of amino acid substitution 1717.

DNA polymerase, inhibition-dextran sulphate DNA contamination 5258.

DNA polymerase, interaction-dCMP hydroxymethylase 1714.

DNA replication-associated pyrimidine nucleotide (deoxyribo) biosynthesis, inhibition-mitomycin C/proflavine 990.

DNA unwinding protein, interaction-DNA/poly d(A-T) 3681.

DNA unwinding protein, interaction-poly (dA)/poly (dT)/poly d(A-T)/poly d(A-T), circular dichroism 3680.

early RNA biosynthesis, infected *Escherichia coli*, relationship-DNA replication/gene (55) product 5734.
endonuclease V, effect on photoproduct-containing DNA 2432.

endonuclease V, stimulation-DNA repair, uv-irradiation-treated human cell 6132.

Escherichia coli B, cytosine-containing DNA 5804.

gene (dar), role-DNA replication 5183, 5184.

gene(rII)-containing recombinant plasmid, construction/properties 2788.

gene(49) mutant, gene(X) mutation-containing, pseudorevertant DNA structure 931.

head, DNA organization, electron microscopy/X-ray diffraction 5912.

infected cell, DNA biosynthesis, effect of nucleoside (deoxyribo) 4147.

iodine-125 decay, DNA breakage/repair 5868.

UV-irradiation-treated, recombination, effect of *Escherichia coli* gene (polA)/gene (recA)/gene (uvrA) 6110.

late gene expression, relationship-DNA biosynthesis 1067.

modified RNA polymerase, transcription-phage T4 late gene in vitro 2823.

mutagenesis, induction-UV-irradiation 3885.

mutant, infection-*Escherichia coli*, RNA biosynthesis 1420.

mutant (PseT1), polynucleotide kinase, characterization 3632.

r-peptide, *Escherichia coli* tRNA (valyl) synthetase modifying, purification/properties 1887.

r-peptide, modified *Escherichia coli* tRNA (valyl) synthetase, structure 1888.

polynucleotide kinase, polynucleotide3'-phosphatase activity 1152.

polynucleotide ligase, joining-synthetic DNA 5293.

recombination-deficient mutant, DNA biosynthesis 991.

tRNA, 3'-terminal residue biosynthesis, evolution 4745.

tRNA Arg, nucleotide sequence 2562.

tRNA Arg suppressor (psu⁺op), isolation/characterization 2563.

RNA ligase, catalysis-nucleoside diphosphate addition-oligonucleotide 4041.

RNA ligase, catalysis-trinucleotide joining 4042.

RNA ligase, DNA joining 5294.

RNA ligase, oligonucleotide synthesis, substrate specificity 3747.

RNA ligase, use-modified nucleoside3',5'-bisphosphate incorporation-oligonucleotide 3729.

tRNA Thr, nucleotide sequence 4195.

stimulation-DNA biosynthesis, temperature-sensitive *Escherichia coli* mutant 496.

thymidine kinase, purification/characterization 2110.

Phage T5,

DNA fragment, 3'-terminal sequence 1530.
 gene nuclease, (D15)role-DNA nicking 1086.
 genome DNA, restriction endonuclease mapping 429.
 induced, DNA polymerase, dead-end complex
 characterization 1720.
 induced, DNA polymerase, primer template replication 1719.
 induced deoxynucleotide monophosphatase, properties 1157.
 induced DNA polymerase, template DNA hydrolysis, primer
 oligonucleotide-mediated inhibition 1667.
 promotor, interaction-*Escherichia coli* RNA polymerase
 2089.

Phage T6,

tRNA, 3'-terminal residue biosynthesis, evolution 4745.

Phage T7,

alkylated DNA, recombination, effect of nalidixic acid 1068.
 depurinated DNA, repair in vitro 3204.
 DNA, accumulation-*Escherichia coli* assembly blocking
 mutant 6078.
 DNA, binding-*Escherichia coli* RNA polymerase 1111.
 DNA, binding-*Escherichia coli* RNA polymerase,
 displacement-heparin 1700.
 DNA, cloning, use-gene mapping 5012.
 DNA, complex-*Escherichia coli* RNA polymerase 1110.
 DNA, early region restriction endonuclease fragment,
 hybridization mapping 433.
 DNA, *Escherichia coli* RNA polymerase primed abortive
 initiation-RNA biosynthesis 4334.
 DNA, fractionation-endonuclease S1 523.
 DNA, interaction-benzo(a)pyrene 7,8-dihydrodiol-9,10-oxide
 5858.
 DNA, interaction-*Escherichia coli* RNA polymerase,
 photochemical cross-linking 6172.
 DNA, γ -irradiation-induced cross-linking-protein,
 measurement 5843.
 DNA, linear dichroism 4436.
 DNA, promoter-containing fragment, differential melting
 curve measurement 5902.
 DNA, promotor/terminator isolation, use-restriction
 endonuclease BsuR 5836.
 DNA, replicative intermediate, structure/maturation 5904.
 DNA, ribosome binding site, electron microscopy 5011.
 DNA, sedimentation rate/viscosity, effect of methylmercuric
 hydroxide 4432.
 DNA, spermidine-induced condensation, electron
 microscopy 382.
 DNA, terminal redundant region, role-phage production
 2787.
 DNA biosynthesis, removal-associated RNA 814.
 DNA infectivity, *Escherichia coli* transfection 1644.
 DNA mapping-*Escherichia coli* RNA polymerase binding
 site 5004.
 DNA packaging in vitro 5007.
 early region, DNA, restriction endonuclease cleavage
 mapping 5910.
 early mRNA, stability, role-*Escherichia coli* ribosome 4349.
 gene (4) protein + DNA polymerase, DNA product,
 characterization 5008.
 gene (4) protein, purification/characterization, stimulation-
 DNA polymerase 5359.
 gene(0-3) mRNA, mapping-ribosome binding site 796.
 head, DNA arrangement, X-ray diffraction 932.
 late gene, transcription, regulation 2641.
 lysozyme mRNA, size, effect of RNase III 5672.
 lysozyme mRNA, translation efficiency, effect of RNase III
 5733.
 mutation, effect on gene (0.3) protein biosynthesis 5673.

plasmid F' DNA protection-host-controlled restriction,

Escherichia coli 2410.

poly (A) biosynthesis/RNA biosynthesis, effect of template/
 primer 4888.

promoter, DNA, polynucleotide sequence, synthesis 2959.
 protein kinase, phosphorylation-*Escherichia coli* initiation
 factor IF-3 775.

replicating/recombining DNA, purification/characterization,
 infected *Escherichia coli* 3531.

RNA biosynthesis, effect of salt concentration/heparin/
 enzyme-DNA ratio/temperature 4882.

RNA biosynthesis, initiation kinetics 4361.

RNA polymerase, RNA/poly (A), initiation specificity 2830.

RNA polymerase product, hybridization-DNA restriction
 fragment 1112.

RNA polymerase promoter, structure 432.

RNA transcript, identification-5'-terminal oligonucleotide
 4823.

superinfection-*Escherichia coli*, effect on DNA transfer
 6077.

Phage Vi,

DNA, determination-single-stranded fragment 1479.

Phage 186,

DNA, effect of psoralen-damaged phage 186, *Escherichia*
coli 2793.

Phage 2C,

DNA biosynthesis, *Bacillus subtilis* 2378.

Phage 52HJD,

infected *Staphylococcus aureus*, DNA replication 992.

Phagocyte,

human mononuclear, effect on DNA biosynthesis,
 lymphocyte 1630.

Phagocytosis,

human leukocyte, role-RNA metabolism 315.

Pharbitis nil,

photoinduced flowering, relationship-RNA biosynthesis 4346.

Phaseolus,

tRNA, extraction, use-Sepharose 4B chromatography 4192.

Phaseolus aureus,

chromatin, RNA biosynthesis, effect of endogenous RNase
 1678.

DNA, rRNA gene distribution 2737.

tRNA (cysteinyl) synthetase, purification/characterization
 4763.

Phaseolus vulgaris,

chloroplast, tRNA Phe primary structure, comparison-
Euglena gracilis 1336.

protein G1 mRNA, translation/product characterization, cell-
 free system 5799.

mRNA, in vitro translation product 3854.

mRNA analysis, role-polyribosome formation 272.

RNA biosynthesis/protein biosynthesis, effect of ethanol/
 acetone 1452.

Phenanthreneoxide,

interaction-guanosine/inosine 88.

Phenanthridine,

inhibition-RNA biosynthesis 848.

1,10-Phenanthroline,

effect on DNA biosynthesis/RNA biosynthesis, mouse liver/
 spleen 6057.

Phenol,

use-alkylated DNA/RNA extraction, L1210 leukaemia cell
 4266.

Phenosafuranine,

binding-DNA, characterization 3890.

Phenosafuranine.(continued)

interaction-DNA, circular dichroism 4393.

interaction-DNA, spectroscopy 4956.

interaction-DNA/RNA, spectroscopy 4955.

Phentermine,

effect on DNA biosynthesis, rat kidney/liver 2050.

Phenylalanine,

effect on protein biosynthesis, brain 3005.

Phenylalanine ammonia-lyase,activity, control-mRNA, *Petroselinum hortense* 3113.**N-Phenyl-N-Methyl- ω -Chloroalkylsulphonamide,**

interaction-pyrimidine (hydroxy) 3704.

Phenylpyruvate,

effect on calf brain tRNA (aminoacyl) synthetase 734.

Phenytoln,

effect on DNA biosynthesis, human bone marrow 6067.

Philosamia cynthia X ricini,

RNA virus, isolation/characterization 4835.

Phleomycin,antibacterial activity, potentiation-pyrimidine (thiazolo[5,4-d]) derivative, *Escherichia coli* 2931.

induction-alkaline phosphatase, choriocarcinoma cell 118.

Phoenix dactylifera,

RNA biosynthesis 4860.

Phorbol,

derivatives, effect on DNA biosynthesis, mouse fibroblast 1050.

stimulation-histone biosynthesis, mouse epidermis 1761.

Phosgene,

interaction-uridine (6-aza) 85.

Phosphate,deficiency, *Spirodela oligorrhiza*, effect on alkaline phosphatase/RNase activity 529.

effect on acid denaturation-RNase A 2439.

role, DNA biosynthesis during 3T3 cell growth 2782.

Phosphodiesterase,*Crotalus adamanteus*, DNA-specific endonuclease single-stranded, characterization 2431.**Phosphodiesterase I,**

organ distribution/characterization, human/rat/dog 1160.

Phosphoenolpyruvate carboxykinase,

mRNA, translation-cell-free system 1961.

Phosphogluconate dehydrogenase,

mRNA, quantitation, rat liver 4807.

Phosphonoacetic acid,

effect on DNA biosynthesis, Epstein-Barr virus-infected human lymphocyte 3200.

inhibition-African swine fever virus DNA replication, infected Vero cell 3966.

inhibition-DNA replication, varicella zoster virus 1618.

inhibition-Epstein-Barr virus transformation-human B-lymphocyte 6008.

inhibition-eukaryote DNA polymerase α 5263.

sensitivity, DNA polymerase, temperature-sensitive herpes simplex virus mutant 1130.

Phosphonoformate,inhibition-eukaryote DNA polymerase α 5263.**N-Phosphonylacetylaspartate,**

antitumour activity/toxicity, effect of uridine, mouse lung carcinoma 685.

Phosphoprotein,acidic, HeLa cell ribosomal subunit 60S, comparison-rat 755.
binding site, distribution-Rauscher leukaemia virus genome RNA 1400.

nuclear, phosphorylation, stimulation-histone 1190.

Phosphoprotein phosphatase,

HeLa cell ribonucleoprotein, characterization 2873.

Phosphorus oxychloride,

interaction-adenine arabinoside 2150.

Phosphosphingolipid,biosynthesis, *Bacteroides melaninogenicus*, role-nucleoside 5478.**Photobacterium phosphoreum,**

purification-2'-GMP/3'-GMP 1297.

Physarum,

RNA polymerase pattern during growth/differentiation 4013.

Physarum polycephalum,chromatin, localization-rRNA 19S/rRNA 26S gene 4068.
chromatin structure 4623.

DNA analysis, use-netropsin/caesium chloride density gradient 2360.

DNA polymerase, characterization 2845.

endonuclease, purification/characterization 1672.

mitochondrial DNA, biosynthesis/distribution 5988.

nuclear DNA, foldback sequence organization 5950.

nucleolus, chromatin structure 6267.

nucleus/nucleolus, RNA transcription, control 3077.

polymyosome, preparation 765.

protein biosynthesis during nuclear division 1891.

replicon, direction-DNA replication 5990.

RNA, isolation/properties during mitosis 3790.

RNA, transcription-nucleus/nucleolus/chromatin 818.

RNA biosynthesis, modification-cadmium 4894.

rRNA gene, chromatin structure 2007.

rRNA gene, stability during active growth 5158.

RNA polymerase II, purification method 4016.

RNA polymerase II activity, during differentiation 2097.

RNase I, use-RNA sequencing 540.

RNase I/RNase II, isolation/characterization 5220.

rRNA gene, replication 980.

tRNA biosynthesis during division cycle 720.

Phytin,stimulation-nuclease P1 biosynthesis, *Penicillium citrinum* 528.**Phytohaemagglutinin,**

induction-thymidine kinase, human lymphocyte 577.

stimulation, effect on RNA polymerase I activity during lysine deprivation, human lymphocyte 552.

stimulation, human lymphocyte, effect on DNA biosynthesis kinetics 3588.

stimulation, human lymphocyte, effect on RNA polymerase I/RNA polymerase II pool activity 6179.

stimulation-DNA biosynthesis, human lymphocyte, DNA characterization 3589.

stimulation-DNA biosynthesis, leukaemia cell 2409.

stimulation-human lymphocyte during amino acid starvation, effect on protein biosynthesis/RNA biosynthesis/DNA biosynthesis 1349.

Pibobromane,effect on *Triticum aestivum* DNA/RNA content 3862.**Picea,**

crossability pattern, evaluation, DNA reassociation kinetics 3559.

Pichinde virus,

RNA, characterization 3799, 5675.

- Pig,**
brain, guanine deaminase, sulphhydryl group determination 3634.
intestinal tract, substance, inhibition-bacterial DNase 2443.
liver, elongation factor EF-1 α , purification/characterization 2239.
liver, elongation factor EF-1 β , purification/properties 226.
liver, elongation factor EF-2, role-translocation 1915.
lymphocyte, sister chromatid exchange frequency 6302.
pancreas, RNase I, conformation/stability, effect of heterosaccharide 2083.
vascular endothelium, adenosine uptake/metabolism 2173.
- Pigeon,**
DNA, restriction endonuclease fragment, molecular weight distribution 952.
erythroid cell, comparison-rRNA 28S/RNA 28S globin/nuclear messenger-like RNA 28S, melting properties 1412.
genome, isolation/characterization-DNA repetitive sequence 371.
genome, poly d(A) content 4457.
globin m RNA, poly(U) sequence 266.
- Pila globosa*,**
DNA/RNA content, effect of aestivation 3968.
- Pinus lambertiana*,**
seed, protein biosynthesis, effect of stratification 220.
- Pinus nigra*,**
Strasbourg cell, DNA/RNA content 1968.
- Pinus rigida*,**
nuclear DNA content 2676.
- Piperazine,**
effect on-*Triticum aestivum* DNA/RNA content 3862.
- Pisum*,**
see also **Pea**
- DNA, template activity/physical properties, effect of aluminium 5974.
- Pisum sativum*,**
Agrobacterium tumefaciens tumorigenicity, role-RNA 5725.
chloroplast, rRNA biosynthesis, stimulation-blue light 4344.
chromosome DNA, replication unit 1568.
DNase activity, relationship-DNA replication during germination 3935, 4003.
protein biosynthesis, cell-free system 4224.
seedling, uridine diphosphatase activity 1740.
- Pituitary factor,**
effect on DNA biosynthesis, adrenocortical tumour cell 1583.
- Pituitary gland,**
anterior, rat, RNA biosynthesis, effect of castration/androgen sterilization 311.
intermediate lobe, immunoreactive cell culture, DNA biosynthesis 1009.
- rat, DNA biosynthesis, effect of haloperidol/bromocriptine/diethylstilboestrol 6016.
- rat, prolactin mRNA activity, effect of 17 β -oestradiol 1945.
- Placenta,**
human, t RNA Val, nucleotide sequence, comparison-mouse myeloma 171.
human, tRNA (aminoacyl) synthetase detection/purification 1341.
human, RNase activity, effect of maternal malnutrition 530.
rat, RNA methylase activity 1883.
- Plant,**
see also **various species**
r RNA gene, purification, use-equilibrium centrifugation 374.
cell, fate-exogenous DNA, review 16.
- cell, virus-infected, identification/localization-double-stranded/single-stranded RNA 4805.
cell culture, RNase H activity 5226.
DNA, cytosine (5-methyl) content, effect of flowering gradient 4523.
histone, evolution 5308.
mitochondrial DNA heterogeneity 459.
nuclear DNA content, relationship-development rate 3122.
nuclear membrane, localization-late replicating DNA 5824.
protoplast, incorporation/maintenance-recombinant DNA plasmid 4527.
RNA polymerase II, structure/properties 4015.
RNA polymerase II, subunit structure/properties 5253.
virus, structure 2261.
- Plasmacytoma,**
cell, mouse, RNA (heterogeneous nuclear) size, effect of uv-irradiation/post-irradiation incubation 4880.
cell line, ribosomal subunit ratio, growth dependence 3785.
variant, translation-immunoglobulin IgA heavy chain mRNA 1475.
- Plasmacytoma MOPC,**
reverse transcriptase, purification/characterization 4583.
- Plasmacytoma MOPC 315,**
variant, immunoglobulin light chain/heavy chain mRNA occurrence 5660.
- Plasmid,**
Agrobacterium tumefaciens, restriction endonuclease analysis 4997.
antibiotic-resistance/degradative, DNA, *Pseudomonas putida* transformation 3237.
Bacillus subtilis, detection/characterization 4372.
characterization, *Bacillus thuringiensis* 3152.
chloramphenicol-resistance, *Escherichia coli*, DNA, characterization 5892.
chromosome complex, *Escherichia coli* /*Salmonella typhimurium*, role-plasmid replication 5349.
cloned, transcription, enhancement-phage λ promoter 6107.
Col, molecular weight determination 3159.
conjugation, review 3311.
degradative, molecular relationship 4426.
DNA, *Bacillus brevis*, isolation/characterization 5834, 5968.
DNA, gene recombination, use-restriction endonuclease EcoRI 1648.
DNA, isolation, *Streptococcus* 4943.
DNA, molecular weight, use-electron microscopy 926.
DNA, *Proteus morganii*, physical properties 3157.
DNA, *Pseudomonas*, classification/physical properties 4995.
DNA, recombination, biohazards 2911.
DNA, *Saccharomyces cerevisiae*, characterization 4985.
DNA rearrangement, review 2515.
DNA replication, *Proteus mirabilis* 3195.
DNA replication initiation 5082.
DNA replication origin, regulation/characterization 3581.
Enterobacteriaceae, characterization 4998.
erythromycin/lincomycin/vernacyclin Ba resistance, *Streptococcus sanguis*, characterization 3905.
Escherichia coli replication origin-carrying, isolation 5832.
F factor restriction endonuclease DNA fragment-containing, construction/analysis 5177.
gene, detection-crown gall tumour, *Agrobacterium tumefaciens*-infected *Nicotiana tabacum* 5180.
Haemophilus influenzae, restriction endonuclease analysis 5886.
hybrid, *Escherichia coli* B/r gene (ara)-containing, construction 5179.
hybrid, *Escherichia coli* DNA fragment-containing, construction/cloning 2421.

Plasmid, (continued)

- Inc P-2, DNA, isolation-*Pseudomonas aeruginosa* 4944.
killer, replication, *Saccharomyces cerevisiae* 2055.
molecular weight determination 4981.
nonintegrated, complex-folded chromosome, relationship-plasmid replication 5178.
nonintegrated DNA, isolation-*Escherichia coli* 4942.
pAD1, *Bacillus brevis*, isolation/characterization 5895.
pBR 322 x pML 21 hybrid, tetracycline resistance expression, *Escherichia coli* 6123.
pBR313, *Escherichia coli*, DNA, reconstitution-tobacco mosaic virus protein 4996.
phage λ replication origin-containing, construction 5166.
phage P1, maintenance mutant, *Escherichia coli*, characterization 4986.
pIE099, *Klebsiella pneumoniae*, characterization 2703.
Pseudomonas putida, DNA, characterization 3153.
Pseudomonas putida, DNA, restriction endonuclease cleavage site analysis 5888.
pTi-B6-806, *Agrobacterium tumefaciens*, DNA restriction endonuclease mapping 4982.
pUB110, replication-*Bacillus subtilis* mutant (dna Ts) 5085.
recombinant, *Bacillus subtilis* /*Escherichia coli*, construction/replication 6098.
recombinant, DNA, incorporation/maintenance, plant protoplast 4527.
recombinant, phage λ galactose operon-containing, construction 5167.
recombinant, phage T4 gene(rII)-containing, construction/properties 2788.
recombinant, *Xenopus laevis* globin gene-containing, construction 5196.
replication, *Staphylococcus aureus*, temperature-sensitive mutant 5189.
RSF1010, replication, *Escherichia coli* K12 5979.
R1, *Escherichia coli*, DNA coding-RNA 4S 6094.
R1drd-19/F'lac, replication-*Escherichia coli* 5084.
R538-1, *Escherichia coli*, restriction endonuclease fragment, mapping/cloning 4999.
Staphylococcus aureus, transformed *Bacillus subtilis*, DNA characterization 3904.
Streptococcus faecalis, chromosome determinant transfer 5173.
Streptococcus mutans, DNA, characterization 5887.
structure R, role-DNA translocating segment terminal 5171.
tetracycline resistance, *Staphylococcus aureus*, temperature-sensitive replication 5123.
use-gene cloning, review 3689.
yeast, inverted repetitive region, DNA sequence 1526.
- Plasmid β** ,
Streptococcus faecalis, transfer 6096.
- Plasmid λ dv**,
carrying, *Escherichia coli*, DNA-binding protein, purification/characterization 2143.
- Plasmid Clo DF13**,
ampicillin-resistance DNA sequence, integration site 5000.
deletion mutant, in vitro construction 6092.
Escherichia coli, gene product analysis 2999.
gene mapping 3158.
gene organization, use-transposon probe 4991.
replication, *Enterobacter cloacae* /*Escherichia coli* 2922.
- Plasmid ColE1**,
containing, minicell, protein biosynthesis 3386.
DNA, double-stranded breakage, production-bleomycin 384.
DNA, modification-benzo(a)pyrene metabolite 2318.
DNA, phage λ mediated transduction 2411.
DNA, restriction endonuclease fragment complementary strand separation, chromatography (high pressure) 2677.
DNA, restriction-restriction endonuclease Eco RI, effect of 4,6'-diamidine-2-phenylindole 4562.
DNA, RNA transcription product, characterization 4862.
DNA, strand breakage-benzo(a)pyrene diol epoxide 406.
DNA recombination, mechanism 516.
DNA replication origin, nucleotide-nucleotide (deoxyribo) linkage 3163.
gene expression 5174.
hybrid-phage P4, construction/characterization 6097.
in vivo DNA replication 3218.
mediated restriction endonuclease EcoRI, *Escherichia coli* 5234.
replication region, characterization 4989.
- Plasmid F**,
DNA, host-controlled restriction, protection-phage T3/phage T7, *Escherichia coli* 2410.
- Plasmid F**,
DNA, restriction endonuclease EcoRI fragment, tra cistron assignment 5168.
excision, *Escherichia coli*, role-gene(recA) 1061.
gene (srnA), mapping 2417.
replication region, characterization 4989.
- Plasmid F'lac**,
elimination, *Escherichia coli* DNA interaction-acridine orange 4392.
replication, association-*Escherichia coli* cell cycle 2015.
- Plasmid F_{me}**,
Salmonella typhimurium /*Salmonella wien* /*Salmonella typhi*, characterization 2340.
- Plasmid FI**,
incompatibility gene, mapping 4994.
- Plasmid FII**,
incompatibility gene, mapping 4994.
- Plasmid ϕ XG**,
phage ϕ X174 gene (G)-containing, construction/characterization 2790.
- Plasmid pAS8**,
characterization 1991.
deletion mutant, genetic mapping 1990.
- Plasmid pAT2010**,
hybrid, cloning/transcription-*Escherichia coli*, *Bacillus subtilis* 2789.
- Plasmid pBGP120**,
 β -galactosidase expression, regulation, *Escherichia coli* 3980.
- Plasmid pBR345**,
DNA, replication origin 2704.
- Plasmid pC194**,
DNA cloning, *Bacillus subtilis* 3981.
Staphylococcus aureus, characterization 5893.
- Plasmid pIE098**,
Enterobacter cloacae, characterization 2703.
- Plasmid pJY5**,
replication, characterization 2368.
- Plasmid pMB9**,
DNA cloning, ovalbumin gene 2056.
Escherichia coli gene (uvrB)-containing, construction 2791.
hybrid-phage λ gt, transduction-*Escherichia coli* 3238.
- Plasmid pMG1**,
isolation/characterization 4941.
- Plasmid pMG5**,
isolation/characterization 4941.
- Plasmid pSC101**,
DNA biosynthesis, gene(dnaA) requirement 2016.
Escherichia coli, origin 1062.
- Plasmid pSC105**,
site-specific DNA deletion, effect of-ampicillin resistance

Plasmid pSC105,(continued)

element insertion 4530.

Plasmid pSC138,

F factor isolation/characterization 3156.

Plasmid PSM,

insertion sequence IS1 DNA, nucleotide sequence 2705.

Plasmid pSN1,

Staphylococcus aureus, restriction endonuclease cleavage map 4427.

Plasmid pS194,

Staphylococcus aureus, characterization 5893.

Plasmid pUB110,

use-*Bacillus subtilis* DNA cloning 5190.

Plasmid pXlr 11,

DNA biosynthesis, *Xenopus laevis* egg enzyme system 3201.

Plasmid P15,

restriction endonuclease, mechanism-reaction 530.

Plasmid P15A,

DNA cloning vehicle construction/characterization 6095.

Plasmid R,

mediated transfer-tetracycline/ampicillin resistance,

Haemophilus parainfluenzae 1650.

properties/control, book review 3308.

recombinant, characterization 1649.

Plasmid RK2,

replication 461.

replication region, characterization 4989.

Plasmid ROR 12,

DNA replication, *Proteus mirabilis* 3196.

Plasmid RPI,

DNA, electron microscopy 4428.

restriction endonuclease mapping 5889.

Plasmid RP4,

DNA, electron microscopy 4428.

DNA, restriction endonuclease Bam HI/Sal I/Sma I recognition site 4563.

Escherichia coli, transposition, use-phage Mu-1 6100.

incorporation, *Escherichia coli* chromosome, effect of transposon Tn1 5169.

Plasmid RP8,

DNA, electron microscopy 4428.

Plasmid RSc,

ampicillin transposon-carrying, characterization 4987.

generation/replication, *Escherichia coli* 3198.

Plasmid RSF2124,

cloning-*Bacillus subtilis* leucine gene 2416.

Plasmid Rts1,

DNA replication, nonpermissive temperature 1569.

replication 5074.

Plasmid R100-1,

replication microscopy, electron/origin 425.

Plasmid R12,

replication, *Escherichia coli* 6047.

Plasmid R245,

isolation/characterization, *Escherichia coli* K12 2706.

Plasmid R6-5,

Escherichia coli, cistron (tra) characterization 5894.

incFII determinant, cloning analysis 4425.

restriction endonuclease HindIII/EcoRI DNA fragment, cloning 5172.

Plasmid R6K,

characterization 4984.

DNA, replication-*Escherichia coli* K12 5083.

DNA biosynthesis, in vitro 5124.

DNA cloning 3602.

DNA replication-*Escherichia coli*, analysis 3197.

Escherichia coli, characterization 925.

genome organization 5001.

replication region, characterization 4989.

Plasmid SCP2,

sex factor, *Streptomyces coelicolor*, characterization 4990.

Plasmid Ti,

Agrobacterium tumefaciens, DNA fingerprinting 5891.

DNA, transcription-tobacco callus crown gall tumour 828.

Plasmid Tn501,

DNA, characterization 2341.

Plasmid TOL,

DNA segment, transposition/expression 6101.

Plasmin,

stimulation-DNA biosynthesis, human fibroblast 503.

Plasmodium,

DNA/RNA metabolism 6054.

Plasmodium berghei,

infection, immunity, transfer-spleen/lymph node immune RNA, mouse 1460.

Plasmodium falciparum,

adenosine (S-isobutyl), antimalarial activity 2948.

Plastid,

Spirodela oligorrhiza, mRNA biosynthesis during greening, effect of light 4345.

Platelet,

human, surface, binding-DNA 403.

Platinum,

complex-cytosine arabinoside, X-ray diffraction 5469.

complex-DNA, circular dichroism 4404.

complex-DNA, differentiation, use-ethidium bromide 402.

complex formation-dehydrogenase + DNA/RNA/AMP/ATP 5522.

surface, binding-phage MS2 RNA 242.

cis-Platinum diamminedichloride,

complex-DNA, effect on mouse peritoneal macrophage 6083. induced, mutagenesis, repair deficient *Escherichia coli*, effect of R factor 4388.

induced DNA damage, human cell, repair 6039.

interaction-cytidyl-3'-phosphate-5'-guanosine 4170.

Platinum(II),

interaction-RNase 1097.

Platinum uracil blue,

binding-closed circular DNA 3130.

Platymonas striata,

DNA biosynthesis during cell division 3941.

Plectonema boryanum,

rRNA, maturation 3069.

Plethodon cinereus,

chromosome, localization-DNA repetitive sequence 6282.

Plexus papilloma,

nuclear DNA content, cytophotometry 362.

Podospora anserina,

cycloheximide resistant mutant, ribosomal protein L21, electrophoresis properties 1362.

mitochondrial DNA, electron microscopy 5953.

occurrence-plasmid-like DNA 4933.

ribosomal protein, translation control 4244.

ribosomal protein L33, quantitative variation during growth 3391.

Poecilia formosa,

UV-irradiation-treated thyroid DNA, pyrimidine dimer, association-tumour formation 2697.

Pokeweed,

antiviral protein, inactivation-*Artemia salina* ribosome 4792.

Poliovirus,

infected cell, control-protein biosynthesis 3765.

infected HeLa cell, polyribosome-ribosome preparation, protein kinase activity 2221.

Poliovirus,(continued)

infection, inhibition-RNA biosynthesis, L cell/HeLa cell/HEp-2 cell/Vero cell 5742.

infection, inhibition-vesicular stomatitis virus mRNA translation 4217.

replication, inhibition-bichlorinated pyrimidine, mechanism 5441.

replication complex, RNA, purification/biochemical characterization 4268.

replication complex, RNA characterization, electron microscopy/autoradiography 4827.

RNA, inactivation-ammonia 3792.

mRNA, structure/properties, review 1245.

mRNA, 5'-terminal sequence 1404.

RNA, translation, analysis-capsid polypeptide 746.

stimulation-encephalomyocarditis virus replication, primate cell line 998.

Poliovirus 1,

effect on HeLa cell 5'-nucleotidase activity 2854.

enhanced replication, cytomegalovirus-infected human fibroblast 6007.

RNA-associated protein, identification/role-RNA replication 5753.

RNA homology poliovirus 3, electron microscopy 798.

RNA replicase, isolation/properties, HeLa cell 563.

urea-treated, ribonucleoprotein, formation/characterization 2869.

Poliovirus 2,

RNA biosynthesis, effect of cordycepin triphosphate, in vitro 2650.

RNA biosynthesis, role procapsid 829.

Poliovirus 3,

RNA biosynthesis, role-protein 2 5738.

RNA homology-poliovirus 1, electron microscopy 798.

Polistes gallicus,

DNase, characterization 3257.

Poly (A),

associated protein, ribonucleoprotein (messenger), characterization, rabbit reticulocyte 2122.

base interaction, thermodynamics 5552.

binding-lymphocyte, biosynthesis-DNA antibody, normal/autoimmune mouse 3283.

binding protein, characterization, rat liver, comparison-mRNA-bound protein 2144.

binding protein, polyribosome, presence-free ribonucleoprotein (messenger) 1799.

binding-repressor (lac), circular dichroism 1860.

biosynthesis, *Escherichia coli* /phage T7, effect of template/primer 4888.

biosynthesis, radish embryo, during germination 3825.

circular dichroism/potentiometric titration 4175.

conformation transition, heat capacity determination 1863.

containing, mitochondrial RNA, messenger activity, rat liver 5793.

containing, mitochondrial RNA, rat liver 5668.

containing, mRNA, coding capacity, mengovirus-infected Ehrlich ascites tumour cells 2304.

containing, polyribosomal RNA, comparison-embryonal carcinoma/myogenic/erythropoietic cell line 271.

containing, mRNA, ATP formation 2273.

containing, RNA, biosynthesis, preimplantation mouse embryo 1942.

containing, RNA, biosynthesis, rate, *Drosophila* , effect of RNA metabolism genetic modulation 855.

containing, RNA, content, rat hepatoma/cortisone-treated liver 1920.

containing, RNA, content during terminal differentiation,

neuroblastoma cell 1387.

containing, RNA, *Hyphomicrobium* , isolation/characterization 3812.

containing, mRNA, mouse pituitary tumour, translation, cell-free system, corticotropin precursor biosynthesis 5797.

containing, mRNA, photoinduced biosynthesis, *Fusarium aqueductum* 1441.

containing, RNA, rat liver, isolation/characterization 2611.

containing, mRNA, *Schizosaccharomyces pombe* , biosynthesis regulation 3067.

containing, RNA, transport, chick optic path 2279.

containing, RNA biosynthesis, *Rhizopus stolonifer* sporangiospore germination 2276.

content, Sindbis virus RNA 4826.

effect on leukaemia, mouse 2981.

effect on RNA half-life during translation, encephalomyocarditis virus 4732.

electric dichroism 5550.

enzymatic degradation, role-poly (A)-associated protein 4925.

enzymatic hydrolysis, adenine nucleoside/adenine nucleotide separation/identification, chromatography (anion-exchange) 2936.

free, occurrence-dry wheat embryo 144.

hydrolysis-poly (A) polymerase 3750.

immobilization method 2533.

interaction-poly(I), stoichiometry 157.

interaction-tryptophan 1867.

IR-spectroscopy 4730.

mixing heat-poly(U), sodium chloride solution 155.

modification-formaldehyde + lysine interaction product 4129.

non-specific binding-repressor (lac) 3870.

nuclear, stability, mammalian cell culture 2974.

protein complex, occurrence-wheat embryo polyribosome 4239.

replication, *Drosophila melanogaster* DNA polymerase 6190.

role-rabbit globin mRNA stability 2973.

sequence, localization-coronavirus (human) OC43 RNA 3438.

sequence, mRNA, evolution/function 4665.

sequence, occurrence-chicken erythrocyte globin mRNA 155 precursor 3056.

sequence, occurrence-mouse hepatitis virus RNA 1401.

sequence, size, *Silene alba* RNA, dependence-isolation temperature 241.

sequence, size/distribution-*Drosophila hydei* DNA/RNA 1551.

single-stranded/double-stranded, physical properties 5549.

structure/conformation, neutral/acid solution, Raman spectra 3361.

tritium-labelled, stability 2971.

UV-spectroscopy, effect of pH 5548.

X-ray diffraction 1862.

3'-terminal, stabilization-histone mRNA, *Xenopus laevis* oocyte 4366.

Poly (dA),

content, pigeon genome 4457.

interaction-phage T4 DNA unwinding protein, circular dichroism 3680.

replication, *Drosophila melanogaster* DNA polymerase 6190.

Poly A(amino),

interaction-poly(I)/poly(G), effect of amino group hydrogen bond 156.

Poly A(aza),

biological activity 158.

- Poly A(bromodeoxy),**
synthesis/properties 701.
- Poly A(chlorodeoxy),**
synthesis/properties 701.
- Poly A(2'-Deoxy-2'-Fluoro),**
synthesis/properties 4168.
- Poly A(1,N⁶-etheno),**
reaction-osmium tetroxide 135.
- Poly A(9-vinyl),**
inhibition-*Escherichia coli* RNA polymerase 2826.
inhibition-Friend leukaemia virus replication, mouse 4184.
- Poly d(A-T),**
depurination, effect on fidelity-DNA biosynthesis, avian myeloblastosis virus DNA polymerase 1722.
interaction-phage T4 DNA unwinding protein 3681.
interaction-phage T4 DNA unwinding protein, circular dichroism 3680.
intercalation-proflavine, NMR 1869.
methylation-N-methyl-N-nitrosourea, thymine (O²-methyl) formation 4169.
netropsin complex, NMR 1868.
- Poly d(A-T),**
joined, DNA cloned segment, excision 3599.
- Poly (A-U),**
-OH adduct, effect of oxygen 4726.
activation-mouse T-lymphocyte 713.
base interaction, thermodynamics 5552.
binding-antibody, effect on thermal transition 3362.
effect on T-lymphocyte development, in vitro 5553.
effect on mouse lymphocyte subpopulations 2976.
interferon induction 2191.
IR-spectroscopy 4730.
synthesis-RNA polymerase activity, *Bacillus subtilis* 6170.
- Poly (A-U),**
amino acid complex, properties 2555.
ethidium bromide complex, unwinding angle determination 153.
- Poly (AU),**
interaction-tripeptide 4181.
- Poly (A-U-U),**
binding-antibody, effect on thermal transition 3362.
- Poly (A) polymerase,**
activity, Ehrlich ascites cell ribosome 2982.
activity, erythroleukaemia, mouse spleen cell 3748.
cytoplasmic, content, sea urchin egg/embryo 3749.
Ehrlich ascites cell, association-cytoplasmic ribosome 3366.
hydrolysis-poly (A) 3750.
inhibition-ATP arabinoside 4722.
inhibition-carbon monoxide, rat brain 163.
isolation/characterization, vaccinia virus-infected HeLa cell 1323.
mitochondrial, rat liver, stimulation-primer 4738.
mitochondrial, rat liver, stimulation-primer, reaction product 4737.
tumour cell/tissue, review 5384.
- Poly (A) synthetase,**
localization, rat liver 2477.
- Poly (ADP-ribose),**
antibody, characterization/specificity, mouse 3639.
biosynthesis, stimulation-oxygen, chick embryo heart cell culture 4736.
bond-histone, cleavage enzyme, purification/characterization, rat liver 4594.
chain length determination 4179.
complex-histone H1, properties, HeLa cell 1188.
histone H1 complex, HeLa cell, degradation-poly (ADP-ribose) glycohydrolase, effect of DNA 2786.
incorporation-mouse nuclear protein 606.
NMR 706.
- Poly (ADP-ribose) glycohydrolase,**
degradation-HeLa cell poly (ADP-ribose) histone H1 complex, effect of DNA 2786.
- Poly (ADP-ribose) polymerase,**
activity, localization, rat liver chromatin 4636.
activity, nucleotide permeable mouse lymphoma cell 2197.
activity, pig aorta nucleus, effect of heparin/lysine-rich histone removal 4020.
activity, relationship-chromatin structure 622.
calf thymus, purification/properties 1320.
inhibition-methylated xanthine/cytokinin 4116.
product, characterization, bovine thymus 1321.
purification/properties, calf thymus 1871.
role-N-methyl-N-nitrosourea antitumour activity, HeLa cell 162.
- Poly (ADP-ribose) synthetase,**
rat liver, purification/properties 1319.
- Poly (C),**
antiviral activity, size dependence, encephalomyocarditis virus infection, mouse 712.
effect on leukaemia, mouse 2981.
inhibition-provirus DNA expression/synthesis, oncornavirus 5557.
interaction-GTP, neutral pH 2556.
interaction-GTP/ATP, effect of pH 3736.
Sephadex chromatography, isolation-oligo d(G-C)-containing DNA fragment 5827.
sequence, localization-foot-and-mouth disease virus RNA 4280.
template activity-avian myeloblastosis virus reverse transcriptase, effect of-magnesium ion/manganese ion 1309.
- Poly C(5'-hydroxy),**
effect on encephalomyocarditis virus infection, mouse 2975.
- Poly C(2'-O-methyl),**
structure, X-ray diffraction 2970.
- Poly (C) hydrolase,**
activity, rat liver, during dimethyl-aminoazobenzene carcinogenesis 1163.
- Poly (G),**
binding-mouse interferon 159.
binding-oestrogen, activation-rat liver microsome 380.
interaction-poly A(2-amino), effect of amino group hydrogen bond 156.
NMR, neutral solution 2969.
reaction-diammineplatinum (II) 4154.
- Poly G(methylthio),**
synthesis/properties 147.
- Poly (G.C),**
acid-base titration, circular dichroism 4176.
interaction-poly(I-C) antibody 4183.
toxicity, comparison-poly (I-C) 3746.
- Poly d(G-C),**
acid-base hysteresis 4177.
- Poly (G-C),**
amino acid complex, properties 2555.
- Poly (G.G.C),**
formation, alkaline titration 2554.

Poly d(G-T),
double helix, base pairing 4178.

Poly (I),
antibody specificity 711.
antiviral activity, size dependence, encephalomyocarditis virus infection, mouse 712.
binding-mouse interferon 159.
complex formation-guanosine/guanosine (2'-deoxy) 2188.
effect on encephalomyocarditis virus infection, mouse 2975.
effect on leukaemia, mouse 2981.
induction-interferon 4733.
inhibition-murine leukaemia virus DNA biosynthesis 160.
interaction-poly(A), stoichiometry 157.
interaction-poly A(2-amino), effect of amino group hydrogen bond 156.

Poly I(aza),
biological activity 158.

Poly (I.C),
analogues, interferon induction, L cell 714.
binding-ethidium/daunomycin/mepacrine 916.
complex-poly-L-lysine + carboxymethylcellulose, treatment-vaccinia virus infection, rabbit skin 5554.
complex-poly-L-lysine, treatment-polyneuropathy 2980.
derivative, treatment-Japanese encephalitis virus infection.
Macaca mulatta / *Macaca fascicularis* 2978.
detection, use-iodine-125 labelled antiserum 4165.
effect on AMP(cyclic) content/metabolism/structure, dog thyroid gland 161.

effect on herpes simplex virus 2 infection, mouse 5555.
effect on influenza virus replication 4735.

effect on spleen colony-forming cell, mouse 2193.

effect on vaccinia virus keratitis, rhesus monkey 3365.

immunostimulation, mouse 2196.
induced interferon production, L929 cell, enhancement-calcium 4734.

induction-interferon, effect of UV-irradiation, human cell 5556.

induction-interferon production, L929 cell, effect of polyene macroide 2977.

interaction-poly(I-C) antibody 4183.

stimulation-prostaglandin E biosynthesis, fibroblast cell culture 1315.

toxicity, comparison-poly (G-C) 3746.
treatment-cytomegalovirus infection, mouse 2192.
vinyl-containing analogue, interferon induction 4185.

Poly (I-C),
melting transition 2187.
poly-L-lysine complex, inflammation response, rat 1870.

Poly d(I-C),
melting transition 2187.

Poly (T),
UV-irradiation-induced damage, immunological activity 1751.

synthesis 702, 703.

Poly (dT),
interaction-phase T4 DNA unwinding protein, circular dichroism 3680.

Poly (U),
binding-*Escherichia coli* ribosome, rotational diffusion 4228.
binding-mouse interferon 159.
binding protein, identification, *Escherichia coli* ribosomal subunit 305 762.

conformation transition, heat capacity determination 1863.
content, Sindbis virus RNA 4826.

effect on guanosine tetraphosphate/guanosine pentaphosphate biosynthesis, *Escherichia coli* ribosome 1373.

immobilization method 2533.

interaction-adenosine, effect of sodium sulphate/sodium chlorate/sodium chloride 3737.

interaction-2,4,6-trisopropylbenzenesulphonyl chloride/N,N'-dicyclohexylcarbodiimide/diphenyl chlorophosphate/tetraphenyl pyrophosphate 704.

IR-spectroscopy 4730.

mixing heat-poly(A), sodium chloride solution 155.

photo-crosslinking-*Escherichia coli* ribosomal protein S1, specificity 4780.

sequence, pigeon globin ?mRNA 266.

translation-*Escherichia coli* mutant (rel) ribosome 2592.

tritium-labelled, stability 2971.

Poly U(I-vinyl),
inhibition-*Escherichia coli* RNA polymerase 2826.

Poly (U) hydrolase,
activity, rat liver, during dimethyl-aminoazobenzene carcinogenesis 1163.

Poly (U) polymerase,
activity, Ehrlich ascites cell ribosome 2982.
Ehrlich ascites cell, association-cytoplasmic ribosome 3366.

Poly (X.U),
interaction-poly(I-C) antibody 4183.

Poly (9-Vinylpurine),
inhibition-murine leukaemia virus replication 5092.

Poly (4-Vinylpyridine),
adenine (9-(ω -chloroalkyl))/thymine (1-(2-bromoethyl))/adenine (9-(2-chloroethyl)) complex, interaction-nucleotide 4113.

Poly(iminoethylene),
containing, nucleoside, synthesis/properties 92.

Poly-L-histidine,
complex-DNA, thermal denaturation 3873.

Poly-L-lysine,
complex-DNA, thermal denaturation 3873.
poly(I-C) complex, inflammation response, rat 1870.

Poly-L-ornithine,
inhibition-protein biosynthesis, L cell 3784.

Poly(lysine⁴⁸, histidine⁵²),
interaction-DNA 378.

Polyamine,
binding-RNA hydroxyl group 4274.
content, association-DNA biosynthesis/RNA biosynthesis during cytokinin-induced *Cucumis sativus* growth 4314.
deficiency, effect on *Escherichia coli* DNA biosynthesis 4505.

deprotonation-salt-free tRNA 1873.

effect on DNA methylation-N-methyl-N-nitrosourea, rat liver 5863.

effect on DNA reduction/adsorption-mercury electrode 3895.

effect on elongation factor G GTPase activity regulation 5645.

effect on histone-DNA complex, calf thymus 3296.

effect on histone/nonhistone protein ADP-ribosylation, rat liver 6251.

Polyamine,(continued)

effect on tRNA (isoleucyl) synthetase tRNA^{Ile} formation, rat liver 3381.

effect on RNA biosynthesis, rabbit mammary gland 4339.

effect on RNase/RNA stability, review 14.

role-protein biosynthesis, review 3698.

stimulation-DNA biosynthesis, inhibition-1,3-

diaminopropane, regenerating rat liver 1042.

stimulation-DNA/RNA/protein biosynthesis, *Aspergillus nidulans* 3585.

Polycation,

DNA complex, helix-coil transition/Cotton effect 423.

effect on DNA melting temperature 411.

Polydeoxyribonucleotide,

see also **Polynucleotide**

adduct formation- N- acetoxy -2- acetylaminofluorene 149.

identification/localization-protecting group, mass spectra 2958.

interaction-daunomycin 4182.

Polyelectrolyte,

complex formation-DNA, effect of charge density 377.

Polyethylene glycol,

containing, solution, methylated DNA compact form, circular dichroism 419.

control-DNA/apurinic acid extraction, Feulgen hydrolysis 365.

effect on DNA/RNA content, rat caecum mucosa 2309.

water solution, organization, relationship-double-stranded DNA compact form 5879.

Polyethylenimine,

stimulation-cauliflower RNA polymerase 3621.

Polymer,

formation rate, during phage Q β RNA replication 4883.

Polymyxin,

biosynthesis, *Bacillus polymyxa*, relationship-transcription 5726.

Polyneuropathy,

treatment, poly(I.C)-poly-L-lysine complex, human 2980.

Polynucleotide,

see also **Polydeoxyribonucleotide**

adenine + cytosine-containing, interaction-peptide, circular dichroism 3742.

adenine N⁶-amino methylation, effect on stability 4729.

antibody, occurrence-human inflammatory bowel disease 4044.

base stacking interaction 3740.

binding site, characterization, *Escherichia coli* ribosomal protein S1 1357.

biosynthesis, methotrexate-treated human lymphoblast,

DNA chain growth mechanism 4188.

complex formation-ribosomal protein S1 1310.

conformation, field-dissociation 1305.

conformation analysis 2965, 2966.

conformation analysis, energy map 2964.

double-stranded synthetic, interaction-ethidium 1312.

effect of γ -irradiation, NMR 2696.

effect on copper ion catalyzed noradrenaline oxidation 3364.

electron microscopy, use-osmium tetroxide 1861.

folding, characterization 4421.

helical structure, conformational energy 3359.

hydration, effect of γ -irradiation, NMR 2694.

incorporation-methylated adenine, *Escherichia coli* DNA polymerase I, rate/frequency 5558.

incorporation-*Triticum aestivum* chloroplast 710.

interaction-4'-6diamidino-2-phenylindole 2329.

interaction fuchsin (basic)/formaldehyde 405.

interaction-mercury ion, circular dichroism 3363.

interaction-phase f1 gene (5) product 3871.

interferon induction, human 2557.

melting properties, effect of ion concentration 424.

physical properties 410.

recognition, mouse myeloma DNA polymerase α 569.

secondary structure, relationship-circular dichroism spectrum 2185.

stabilization, role-structural component 1865.

synthesis, use-chromatography (high-pressure liquid) 2960.

synthesis, use-laevulinic acid protecting group 3357.

synthesis/pyrophosphorylation, *Escherichia coli* RNA polymerase, effect of nucleoside diphosphate 6165.

synthesis/separation, use-tert-butylphenylsilyl protecting group 2961.

3'-terminal conformation, use-pyrene derivative probe 1304.

uridine (O²-ethyl)/uridine (O⁴-methyl)-containing, RNA

polymerase template activity 4186.

Polynucleotide kinase,

calf thymus, purification/characterization 2106.

phage T4 mutant (PseT1), characterization 3632.

phosphorylation-*Escherichia coli* tRNA His, kinetics 1151.

polynucleotide-3'-phosphatase activity, phage T4 1152.

Polynucleotide ligase,

mammalian, activity, DNA, X-irradiation 5292.

phage T4, joining-synthetic DNA 5293.

Polynucleotide phosphorylase,

catalysis-nucleotide (deoxyribo) addition,

oligodeoxyribonucleotide synthesis 3358.

catalysis-oligodeoxyribonucleotide synthesis, use-pyrimidine analogue-containing nucleoside diphosphate 3356.

characterization, animal tissue 2851.

Escherichia coli, purification, use-blue-dextran: Sepharose chromatography (affinity) 2468.

Escherichia coli, purification/characterization 2107.

level/properties, *Rhizobium meliloti* 1153.

modified nucleoside diphosphate substrate activity 4037.

Polynucleotide triphosphatase,

biosynthesis, vaccinia virus-infected HeLa cell 2113.

Polyoma virus,

complementary RNA, biosynthesis-capsid protein in vitro 2205.

defective DNA, mapping 2719, 2720.

defective genome, transcription 2752.

DNA, E/L strand transcription frequency 3463.

DNA, mapping 2718.

DNA, replication origin region, nucleotide sequence 948.

DNA, transcription during infection 2284.

DNA biosynthesis, effect of uridine (5-bromo-2'-deoxy) 3948.

DNA biosynthesis, inhibition-cytidine (2'-deoxy-2'-azido) 1294.

DNA biosynthesis, Okazaki fragment, initiation-DNA primase 4593.

DNA biosynthesis in vitro, DNA chain asymmetry 1572.

DNA replication, mechanism 3946.

DNA replication origin, nucleotide sequence, comparison-SV40 2350.

ethyleneglycol-bis-N,N'-tetraacetic acid/dithiothreitol-treated, DNA-protein complex, characterization 5360.

infected mouse kidney cell, localization-DNA polymerase α 568.

mutant (tsA), infected 3T6 cells, virus-specific early RNA accumulation 4316.

nucleoprotein, nuclease digestion, comparison-mouse chromatin 2120.

Polyoma virus, (continued)

RNA biosynthesis, transformed rat cell 3832.
 mRNA translation 4913.
 specific RNA biosynthesis, effect of α -amanitin 3829.
 temperature-sensitive mutant, effect on early RNA accumulation, BALB/3T3 cell 4318.
 transformed, rat kidney tumour, RNA transcript, transport 5736.
 transformed 3 T3 cell, transcription, effect of N- tosyl L- lysine chloromethyl ketone 316.
 transformed rat cell, DNA integration, effect of virus mutation 519.
Polypeptide,
 complex-DNA, interaction-actinomycin D/netropsin 4617.
 complex-DNA, structure 3682.
 interaction-DNA 3872.
 recognition, DNA, model 896.
Polypeptide G,
 encephalomyocarditis virus, RNA-binding properties 6307.
Polypeptide IX,
 mRNA, characterization, gene identification, adenovirus 800.
Polyphenylalanine,
 biosynthesis, poly(U)-directed, role ribosomal protein S1 3402.
Polyribosome,
 m RNA, association-microsome membrane 320.
 β - crystallin biosynthesis, calf eye lens cell-free system 219.
 analysis, feline leukaemia virus infected cell 3797.
 association-ribosome bound RNase 3997.
 attachment-membrane, nascent chain, *Escherichia coli* K12 5617.
 binding-endoplasmic reticulum, rat liver 3783.
 binding-rat liver microsome membrane, role-cytochrome P-450 2228.
 chicken oviduct, isolation-lysozyme/ovomucoid/ovalbumin mRNA 1394.
 content, following hepatectomy, rat liver, effect of age 4778.
 content, *Zea mays* leaf, effect of light/age/iron deficiency 5640.
 cytoplasmic, isolation/analysis, cell culture 1902.
 cytoplasmic, structure, use-information antibody 1893.
 disaggregation, induction-asphyxia, cerebrum, rhesus monkey foetus 3407.
 dissociation, RNase activity, distribution 4552.
 distribution, chemical/viral tumour 3032.
 dormant, occurrence during diapause, *Bombyx mori* embryo 3775.
 effect of aflatoxin B₁, rat liver 750.
Escherichia coli, effect of amino acid starvation 3019.
 fatty acid synthetase-synthesizing, identification, chick 1363.
 formation, *Glycine max*, regulation-cytokinin 1371.
 formation, *Nicotiana tabacum* pollen tube 287.
 formation, *Phaseolus vulgaris*, role- ϵ m RNA 272.
 formation, sea urchin embryo 2219.
 formation, wheat embryo, during germination/vernalization 5823.
 free/membrane-bound, distribution/activity, chick embryo liver 3405.
 free/membrane-bound, isolation-rat liver 5623, 5650.
 HCG subunit biosynthesis during early/late pregnancy 191.
 HeLa cell, isolation-ribonucleoprotein (messenger), chromatography (affinity) 767.
 isolation method, mouse myeloma MOPC 21 1388.
 membrane interaction, protein biosynthesis, review 5393.
Physarum polycephalum, preparation 765.
 poly (A)-binding protein, presence-free ribonucleoprotein (messenger) 1799.

pool, isolation-adenovirus-infected HeLa cell 1367.
 purification, rat liver, use-tyrosine aminotransferase antibody 2588.
Rana catesbeiana tadpole, translation efficiency, thyroid hormone-induced regulation 5636.
 rat liver, distribution-free/membrane-bound albumin mRNA 1462.
 rat liver, effect of ethionine/thioacetamide/dimethylnitrosamine/aflatoxin B1 4794.
 rat liver, effect of hydrocortisone 4795.
 rat liver, rRNA biosynthesis/protein incorporation, effect of hydroxythiamine 3003.
Saccharomyces cerevisiae mutant (rna1), rRNA/mRNA transport 4908.
 structure, free/membrane-bound, rat liver 207.
 structure/function, mouse liver, effect of cadmium chloride 2216.
 thyroglobulin-synthesizing, content, bull thyroid gland 5624.
 thyroglobulin synthesizing, incorporation-free ribosome, effect of thyrotropin/AMP (dibutyryl cyclic) 5639.
 thyroglobulin-synthesizing, isolation-bovine thyroid gland 208.
 vesicular stomatitis virus-specific, size distribution, U cell 3768.
 wheat embryo, occurrence-poly (A)-protein complex 4239.
Polysphondylium pallidum,
 RNA/protein biosynthesis pattern during cyst germination 3068.
Polytrichum,
 DNA biosynthesis/RNA biosynthesis during chloroplast replication, effect of light 1454.
Position-effect variegation,
 relationship-rRNA gene, *Drosophila melanogaster* 1664.
Potassium,
 concentration, effect on GMP (7-methyl) inhibition-globin mRNA/satellite tobacco necrosis virus RNA translation 1466.
 transport, 3T3 cell, association-initiation-S phase 4521.
Potassium chloride,
 activation-Dane particle DNA polymerase 4022.
 effect on rabbit globin m RNA translation, cell-free system 193.
 stabilization-*Halobacterium cutirubrum* ribonucleoproteins 584.
Potassium dichromate,
 effect on DNA biosynthesis, BHK cell/HEP cell 3224.
 effect on DNA/RNA/protein biosynthesis, BHK-21 cell 2053.
Potassium salt,
 concentration, effect on GMP (7-methyl) inhibition-mRNA translation, wheat germ/rabbit reticulocyte cell-free system 4723.
Potato,
 tissue culture, DNA biosynthesis/glucose oxidation, role-kinetin 70.
 tuber, slice, DNA polymerase activity, effect of age 564.
 tuber, slice, nucleoside phosphotransferase/TMP kinase/DNA polymerase activity 574.
Potato spindle tuber viroid,
 RNA, circular/linear, biosynthesis, infected *Lycopersicon esculentum* leaf 4870.
 RNA, nucleotide sequence/secondary structure 4289, 5695.
 structure 3441.
Potato spindle tuber virus,
 RNA sequence during replication, *Lycopersicon esculentum* / *Gynura aurantiaca* 3050.

- Potato virus X**,
RNA, 3'-terminal/5'-terminal structure analysis 5691.
RNA, translation-wheat germ cell-free system, product
characterization 3852.
- PR toxin**,
Penicillium roqueforti, inhibition-rat liver protein
biosynthesis 5600.
- Pre-proalbumin**,
synthesis, translation-rat hepatoma albumin mRNA 1476.
- Prebiosis**,
DNA/RNA folding 409.
peptide + oligonucleotide 146.
- Prednisolone**,
effect on DNA/RNA biosynthesis, human lymph node 1946.
- Preproinsulin**,
identification-translation product, rat tumour RNA 342.
- Preprolactin**,
mRNA, activity, rat pituitary gland, effect of 17 β -oestradiol
1945.
- Presbytis obscurus**,
endogenous oncornavirus DNA, isolation/characterization
938.
- Primaquine**,
inhibition-thymidine/adenine/uridine incorporation-rat/
mouse liver RNA/DNA 3575.
- Procollagen**,
mRNA, biosynthesis during development, chick embryo
calvaria 3087.
mRNA, chick embryo, secondary structure determination
1936.
mRNA, content, association-procollagen biosynthesis,
normal/transformed chick embryo fibroblast 3789.
- Proflavine**,
binding-DNA, fluorescence properties 387.
complex-DNA, circular dichroism 3878, 3879.
complex-DNA, physical properties 3877.
cytidyl -3',5'- guanosine complex, X-ray crystallography
154.
effect on DNA polymerase I activity 1724.
inhibition-DNA replication-associated pyrimidine nucleotide
(deoxyribo) biosynthesis, phage T4 990.
interaction-native/denatured DNA 905.
interaction-Sendai virus RNA 3430.
intercalation-A-form DNA, model 912.
intercalation-poly..d(A-T), NMR 1869.
iodine-125 labelled, binding-phage PM2 DNA, induction-
double-stranded breakage 3131.
photodynamic effect, phage ϕ X174 DNA 3132.
photodynamic inactivation-phage ϕ X174 DNA, mechanism
917.
photosensitization-double-stranded/calf thymus DNA, effect
of sulphur compound 4957.
probe, DNA interaction-peptide 3129.
- Proflavine hemisulphate**,
phage X174, DNA photodynamic-inactivation 385.
- Proflavine sulphate**,
effect on sister chromatid exchange, CHO cell 6289.
- Progesterone**,
effect on corticosterone inhibition-DNA biosynthesis, liver
hepatoma 1008.
effect on DNA biosynthesis, human mammary gland tissue
explant 3203.
effect on DNA biosynthesis, pregnancy-dependent mouse
mammary tumour 480.
effect on DNA polymerase activity/oestrogen receptor
concentration, chick oviduct 1716.
inhibition-conalbumin/ovalbumin mRNA biosynthesis, chick
oviduct culture 4874.
inhibition-RNA polymerase I/RNA polymerase II activity,
rabbit uterus 1120.
- Proinsulin**,
biosynthesis, cell-free system 1350.
Cyprinus carpio, RNA-directed biosynthesis, *Xenopus laevis*
oocyte 4917.
stimulation-DNA biosynthesis, chick embryo fibroblast 1580.
- Prokaryote**,
gene selection, role-RNA polymerase, review 1236.
protein biosynthesis, review 5381.
rRNA 16S, ribosomal protein binding site 4293.
- Prolactin**,
effect on casein mRNA, rabbit mammary gland 3079.
regulation-ribosome content/activity, mouse mammary gland
explant 3025.
mRNA, regulation-thyrotropin-releasing hormone, rat
pituitary gland tumour cell 3470.
stabilization-casein mRNA, rabbit 4357.
- Promoter**,
late, adenovirus (human) 2, mapping, use-nascent mercurated
RNA 3434.
operon (trp)*Escherichia coli*, operator-region trp operon,
interaction-RNA polymerase 6167.
phage T5, interaction-*Escherichia coli* RNA polymerase
2089.
- Promoter (A2)**,
phage T7 DNA, nucleotide sequence 381.
- Promoter(trp)**,
mRNA, stability, phage λ , role-gene(tof) product 1651.
- 2-Propanol**,
interaction-uridine/adenine/guanosine-containing
ribonucleotide 5537.
- Prophage**,
induction, phage ϕ 80, *Escherichia coli*, role-gene (recBC)
DNase 5229.
phage λ , DNA, transfection-*Escherichia coli* spheroplast
5181.
- Prophage λ** ,
induction-UV-irradiation, DNA polymerase I-deficient
Escherichia coli 1064.
- Propidium diiodide**,
integration site, RNA/DNA duplex, sugar pucker geometry
4411.
interaction-dinucleoside monophosphate, NMR 705.
- β -Propiolactone**,
binding-calf thymus/mouse liver DNA, adenine (1-(2-
carboxyethyl)) formation 1503.
- Propylene glycol**,
effect on DNA biosynthesis, mouse bladder epithelium 5141.
- 1,3-Propylene sulphate**,
mutagenesis, *Salmonella typhimurium* 3505.
- Prorocentrum micans**,
chromosome, DNA, gonimetric effect 5350.
- Prosopium**,
DNA structure, comparison-*Stenodus* /*Leucichthys* /
Coregonus / 5059.
- Prostaglandin**,
effect on DNA biosynthesis/excision-repair, mouse spleen
4492.
role-RNA biosynthesis, bovine thyroid 4514.
- Prostaglandin E**,
biosynthesis, fibroblast cell culture, stimulation-poly (I-C)/
interferon 1315.
- Prostaglandin F α** ,
effect on RNA biosynthesis/protein biosynthesis, rat embryo
2288.

Prostate gland,

- chromatin, interaction-androgen receptor complex, role-nonhistone protein 5323.
- chromatin, rat. RNA chain elongation-RNA polymerase B, regulation-androgen 2286.
- rat. t RNA (Met. binding-initiation factor IF-2/ribosomal subunit 551.
- rat. prostatic binding protein m RNA activity, effect of androgen treatment/castration 338.
- rat. RNA biosynthesis/DNA biosynthesis/protein biosynthesis, effect of 4-nitro-3-trifluoromethylisobutyranilide 1427.
- rat. steroid-binding protein, synthesis, *wheat germ* /Xenopus 3004.

Protamine,

- complex-DNA, X-ray diffraction 3651.
- interaction-DNA 1757.
- mRNA, *Salmo gairdneri* testis, nucleotide sequence 2265.
- mRNA, *Salmo gairdneri* testis, isolation/purification 4819.
- tRNA complex, X-ray diffraction/circular dichroism 2987.
- synthetic fragment, interaction-DNA 5842.

Protease,

- polymorphonuclear leukocyte, effect on phytohaemagglutinin-induced DNA biosynthesis, mouse thymocyte/T-lymphocyte 5149.

Protein,

- arrangement, *Escherichia coli* ribosomal subunit 30S, immunoelectron microscopy 5612.
- binding-DNA/RNA, affinity constant 898.
- binding-RNA, formaldehyde-induced, tobacco mosaic virus/cucumber virus 4 1925.
- brome mosaic virus, reconstitution-RNA 5361.
- capsid, biosynthesis in vitro, polyoma virus complementary RNA 2205.
- complex-DNA, *Bacillus subtilis*, characterization 3306.
- complex-DNA, Ehrlich ascites carcinoma, effect of uridine (5'-hydroxymethyldeoxy) 4641.
- complex-DNA, Ehrlich ascites cell membrane, characterization 6316.
- complex-DNA, stacking interactions 3866.
- conformation, chick erythrocyte chromatin 1208.
- content, *Lycopersicon esculentum*, effect of salt concentration 364.
- damage, role-UV irradiation-induced chromatid breakage, mouse 2897.
- deficiency, effect on albumin mRNA content/translation, rat liver 3424.
- deficiency, effect on rat liver ribosome 216.
- deficiency, effect on rRNA biosynthesis, rat liver 5767.
- distribution, *Escherichia coli* ribosome/ribosomal subunit 30S 3014.
- distribution/packaging, *Escherichia coli* /wheat ribosome 759.
- DNA adduct, UV irradiation-induced, effect of uridine(5'-bromodeoxy) 3869.
- DNA complex, adenovirus (simian) 7, characterization 2907.
- DNA complex, characterization, ethyleneglycol-bis-N,N'-tetraacetic acid/dithiothreitol-treated polyoma virus 5360.
- DNA complex, characterization, SV40-infected monkey kidney cell 624.
- DNA complex, circular, adenovirus (human) 5-infected HeLa cell 625.
- DNA complex, phage ϕ 29, characterization 3305.
- DNA/RNA cross-linking reagent 897.
- DNA/RNA sequence recognition, review 1249.
- encephalomyocarditis virus RNA 35S-associated, isolation/characterization 2147.

- fraction, rat liver, RNA polymerase B modification, during controlled feeding 1125.
- gag/gag-pol. precursor biosynthesis, Rauscher leukaemia virus, cell-free system 5790.
- gene (dnaG), *Escherichia coli*, primer synthesis, characterization 6225.
- gene (dnaG), *Escherichia coli*, purification/characterization, role-DNA primase 6226.
- gene (dnaG), *Escherichia coli*, RNA primer, characterization, initiation phage G4 DNA replication 5703.
- incorporation, rat liver polyribosome, effect of hydroxythiamine 3003.
- interaction-DNA, binding constant measurement 1806.
- interaction-DNA, electron microscopy 379.
- interaction-DNA, role-chromatin structure 4083.
- interaction-DNA/RNA, review 4103.
- interaction-DNA/RNA, specificity 900.
- interaction-RNA, GH₃ cell 4095.
- level-rat epididymis/ductus deferens during postnatal development 3089.
- membrane, mRNA, influenza virus, isolation/characterization 3807.
- metabolism, rat liver, effect of tryptophan deprivation 858.
- metabolism, rat neonate, effect of maternal undernutrition 3479, 3480, 3481, 6063.
- microtubule-associated, binding-DNA, hamster fibroblast 5356.
- microtubule-associated, hog brain, binding-mouse satellite DNA 5362.
- nonstructural, effect on RNA biosynthesis, Semliki Forest virus-infected chick fibroblast 5739.
- nuclear, incorporation during regeneration, *Owenia fusiformis* chromatin 3302.
- phage ϕ 29 DNA 5'-terminal-associated, isolation/characterization 6312.
- poly (A) associated, rabbit reticulocyte ribonucleoprotein (messenger), characterization 2122.
- ribosome precursor, characterization, mouse leukaemia 4238.
- RNA (heterogeneous nuclear)-associated, phosphorylation, HeLa cell nucleus 5301.
- RNA-associated, poliovirus 1, identification/role-RNA replication 5753.
- secretory, biosynthesis, rat mammary gland mRNA translation-cell-free system 5604.
- sequence-specific binding-DNA, characterization, use-deoxyribonuclease footprinting 640.
- structural, Rauscher leukaemia virus, binding-RNA/DNA 4090.
- vesicular stomatitis virus, cross-linking-formaldehyde/dimethyl-3,3'-dithio-bispropionimide 6314.
- wheat germ, inhibition-protein biosynthesis, Ehrlich ascites cell 194.
- 2, role-poliovirus 3 RNA biosynthesis 5738.
- Protein (w),**
Escherichia coli, interaction-single-stranded DNA 4659.
- Protein (acidic),**
analysis, HeLa cell ribosomal subunit 60S 768.
mice ascites cells/hamsters fibroblasts ribosomal subunit 60S, characterization 201.
- Protein (cro),**
phage λ , action mechanism 4093.
phage λ , DNA-binding protein, properties/structure 1222.
- Protein A,**
phage f1 gene (3) product, complex-DNA, characterization 6313.
- Protein A24,**
occurrence, rat liver nucleosome 2901.

Protein biosynthesis,

- activity, following hepatectomy, rat liver, effect of age 4778.
 activity, human sideroblastic anaemia 4340.
 adenovirus (human) 5 host range mutant, HeLa cell/KB cell 6010.
 adenovirus-infected HeLa cell, inhibition-low-molecular weight RNA 5779.
Allomyces macrogynus zygote 4896.
Artemia salina, termination-*Artemia salina* cyst extract 5601.
Aspergillus nidulans conidium, effect of temperature 2046.
 assay, evaluation, bovine lymphocyte 4214.
Bacillus popilliae, during growth 2370.
Bacillus subtilis chromosome initiation mutant 851.
 BHK-21 cell, effect of potassium dichromate 2053.
 brain, effect of phenylalanine 3005.
 brain, learning, review 5375.
Calliphora vicina, effect of ecdysterone/methoprene 4485.
Candida albicans, effect of AMP (cyclic) 853.
Candida utilis, effect of copper ion/pH 4891.
 capacity, *Saccharomyces cerevisiae* 3085.
 cell-free system, inhibition-oligonucleotide, interferon-treated L cell 3745.
 cell-free system, SV40-transformed 3T3 cell, ribosome activity 1351.
 cell-free system, translation, mRNA-complementary DNA hybridization mediated, use-mRNA analysis 3027.
 chloroplast, review 7.
 chromosome XO, human lymphocyte 2402.
Clostridium saccharoperbutylacetonicum, inhibition-clostrin O 5104.
 control, poliovirus infected cell 3765.
 cytomegalovirus, association-DNA biosynthesis 5596.
Dictyostelium discoideum, translation regulation during differentiation 748.
 double-stranded RNA, activation-protein kinase, phosphorylation-initiation factor IF-2 4254.
 during nuclear division, *Physarum polycephalum* 1891.
 during spore outgrowth, *Clostridium botulinum* 3967.
 during wheat embryo imbibition, association-mRNA accumulation 5800.
 effect of aflatoxin B₁, rat liver 750.
 effect of coumarin derivatives, Ehrlich ascites carcinoma 864.
 effect of ethanol/acetone, *Phaseolus vulgaris* 1452.
 effect of ginseng extract, rat kidney 856.
 effect of interferon, mechanism 4803.
 effect of modeccin, mouse 1889.
 effect of oxidative phosphorylation uncoupler, mitochondria 1372.
 effect of phytohaemagglutinin stimulation during amino acid starvation, human lymphocyte 1349.
 effect of stratification, *Pinus lambertiana* seed 220.
 effect of vaccinia virus heat-inactivated particle 4884.
 Ehrlich ascites cell 4481.
 Ehrlich ascites cell, inhibition-wheat germ protein 194.
 enucleated African green monkey cell 4341.
 Epstein-Barr virus superinfected Raji cell 4772.
Escherichia coli, effect of guanosine (2'-amino-2'-deoxy) 2954.
Escherichia coli, effect of quinoxin/quinoxaline-di-N-oxide 5102.
Escherichia coli K12, effect of indoleacetic acid 5758.
Escherichia coli MRE 600 ribosome, effect of temperature 5599.
 eukaryote nucleus, characterization 2574.
 following γ irradiation, effect of paracetamol, *Escherichia coli* 1013.
 Fraction, tobacco leaf I, protoplast kinetics 195.
 Friend cell, effect of vesicular stomatitis virus/herpes simplex virus infection 2209.
Gallus domesticus wing muscle, during hypertrophy 3389.
Glycine max, regulation-cytokinin 1371.
Glycine max cotyledon, effect of age 2582.
Glycine max embryo during germination, effect of rapid ageing 3227.
 granulopoiesis, human leukocyte 4515.
 haemin-controlled inhibitor, mechanism 2210.
 hamster, S phase, relationship-genome replication 1892.
 HeLa cell, inhibition-modeccin 2580.
 HeLa cell, relationship-tRNA aminoacylation 4206.
 HEp-2 cell, effect of temperature 5771.
 hepatoma cell culture, effect of pyruvate 495.
 host, encephalomyocarditis virus induced inhibition 4914.
 host, inhibition-adenosine(3'-deoxy), vaccinia virus-infected cell culture 1347.
 human lymphocyte, effect of auranofin 2781.
 hypertrophied rat heart cell-free system, stimulation-triiodothyronine 3406.
 in vitro, effect of rat guanine (6-thio)-containing RNA 1956.
 influenza virus A, inhibition-UV-irradiation, chick embryo fibroblast 745.
 influenza virus A, localization, chick embryo fibroblast/MDCK cell 4317.
 inhibition, effect on DNA replication, CHO cell/HeLa cell/L cell 1052.
 inhibition, effect on mitosis, Chinese hamster cell 6288.
 inhibition, human fibroblast, effect on mRNA accumulation 874.
 inhibition, mouse leukaemia(myeloid) cell, effect on differentiation stimulating factor sensitivity 2297.
 inhibition, vaccinia virus-infected cell, -virus induced RNA biosynthesis 4773.
 inhibition-clostrin O, *Clostridium saccharoperbutylacetonicum* 2766.
 inhibition-dimethylnitrosamine, rat liver, effect on initiation factor activity 5649.
 inhibition-double-stranded RNA, interferon-treated mouse L cell 4358.
 inhibition-double-stranded RNA, rabbit reticulocyte lysate 2657.
 inhibition-electroshock, mechanism, rabbit cerebral 190.
 inhibition-poly-L-ornithine, L cell 3784.
 inhibition-puromycin analogue 4240.
 inhibition-ribavirin, chick embryo fibroblast 6068.
 inhibition-ribavirin, eukaryote cell 3963.
 inhibition-trichothecene, reticulocyte cell-free system 218.
 inhibition-vaccinia virus core, in vitro 2207.
 inhibition-vesicular stomatitis virus, mechanism, L cell 2576.
 inhibitor, characterization, *Artemia salina* embryo 749.
 inhibitor, interferon/double-stranded RNA-induced, mouse L cell 1317.
 inhibitor, oligonucleotide, interferon-treated chick embryo cell, comparison-mouse low-molecular weight inhibitor 3744.
 inhibitor, oligonucleotide, isolation/characterization, interferon-treated cell 2183.
 inhibitor, oligonucleotide, synthesis-rabbit reticulocyte lysate 3367.
 initiation, binding/release-eukaryote initiation factor IF-2 2231.
 initiation, elongation, termination, review 1247.
 initiation, rabbit reticulocyte, inhibition-supernatant factor TDI 778.
 initiation-dependent, Ehrlich ascites cell, inhibition-ADP 1857.

Protein biosynthesis,(continued)

- KB cell human cell-free system, misreading, stimulation-antibiotic 3408.
- lymphocyte, effect of cryopreservation 6071.
- lymphocyte, regulation-adherent cell 1049.
- mammalian cell, tRNA fMet-fructose 1,6-bisphosphate/stimulation 2596.
- measurement, lamb liver, use-tRNA Lys aminoacylation 2579.
- mouse, inhibition-d,l-methadone, effect of naloxone/naltrexone 5768.
- mouse L cell, inhibition-L-histidinol 1953.
- mouse lung carcinoma, effect of cannabinoid 3226.
- mouse submandibular salivary gland, effect of isoproterenol 5138.
- mycoplasma virus MVL51, *Acholeplasma laidlawii* 5597.
- Neurospora crassa*, effect of temperature 4790.
- Nicotiana tabacum*, effect of tobacco mosaic virus infection 4775.
- oncornavirus (avian)/oncornavirus (mammalian), review 4667.
- origin, mechanism 3763.
- origin, review 3688.
- Paramecium tetraurelia*, effect of excess DNA 6053.
- pattern during cyst germination, *Polysphondylium pallidum* 3068.
- peptide bond formation, inhibition-bruceantin 3023.
- phage pLL55-infected *Lactobacillus lactis* 3568.
- phage Mu, in vitro 4215.
- phage Mu-infected *Escherichia coli* minicell 5595.
- phytohaemagglutinin-stimulated lymphocyte, effect of L-cysteine hydrochloride 2404.
- Pisum sativum*, cell-free system 4224.
- plant, book review 629.
- plasmid ColE1-containing minicell 3386.
- polyribosome-membrane interaction, review 5393.
- prokaryote, review 5381.
- pseudorabies virus-infected HeLa cell, effect of ionic strength 3388.
- rabbit reticulocyte, inhibition-glucose 6-phosphate/fructose 1,6-diphosphate, effect of NAD 5602.
- rabbit reticulocyte, inhibition-temperature, mechanism 2594.
- rat, effect of age 3843.
- rat, effect of magnesium deficiency 2399.
- rat brain, effect of metergoline 1952.
- rat brain membrane-bound ribosome, effect of ethanol 3390.
- rat embryo, effect of prostaglandin F_{2a} 2288.
- rat hippocampus, effect of amino acid, electron microscopy 3016.
- rat liver, effect of dimethylbenz(a)anthracene/diethylnitrosamine 2389.
- rat liver, effect of ethanol 4247.
- rat liver, effect of ethionine/thioacetamide/dimethylnitrosamine/aflatoxin B1 4794.
- rat liver, inhibition-*Penicillium roqueforti* PR toxin 5600.
- rat liver, ribosome/initiation factor activity, effect of dimethylnitrosamine/ethionine 2206.
- rat/mouse/guinea pig, effect of X-irradiation 3210.
- rat muscle, effect of cycloheximide 5603.
- rat pancreas 2373.
- rat prostate gland/seminal vesicle, effect of 4-nitro-3-trifluoromethylisobutyranilide 1427.
- rat skeletal muscle, during fasting/refeeding, effect of age 5638.
- rat stomach mucosa ribosome, effect of starvation/pentagastrin, cell-free system 2226.
- rat testis, stimulation-*Panax ginseng* root extract 5139.
- rate, determination 5594.
- rate, *Escherichia coli*, effect of temperature shift 3766.
- rate, rat heart muscle, effect of age 5764.
- regulation, frog virus 3 2577.
- regulation, human fibroblast cell culture 3006.
- regulation, mitogen-activated lymphocyte 2212.
- regulation, rat liver, protein ingestion circadian variation 4221.
- regulation, *Rosa* 2213.
- regulation-dinucleoside polyphosphate, CHO cell 2189.
- relationship-DNA structural integrity/radiosensitivity, *Escherichia coli* 4504.
- relationship-RNA biosynthesis, chick liver, during *Eimeria tenella*-induced coccidiosis 5763.
- requirement, mRNA degradation, herpes simplex virus infection, Friend erythroleukaemia cell 5598.
- ribosome-binding, mammalian cell, tRNA fMet-fructose 1,6-bisphosphate/stimulation 2596.
- role-GTP, review 4670.
- role-UV-irradiation-induced DNA repair, *Proteus mirabilis* 1589.
- role-memory, *Carassius auratus* 3000.
- role-polyamine, review 3698.
- Saccharomyces*, membrane-bound ribosome 4777.
- Saccharomyces cerevisiae* cell cycle 5989.
- Simian sarcoma-associated virus, human cell 1911.
- stimulation-polyamine, *Aspergillus nidulans* 3585.
- Streptococcus faecalis*, inhibition-ochratoxin A 4219.
- Streptomyces granaticolor*, during spore germination 976.
- system, evolutionary studies 5593.
- template stability, proliferating/non-proliferating human myeloma 3476.
- Tetrahymena*, effect of cycloheximide 4776.
- Tetrahymena pyriformis*, effect of actinomycin D 2651.
- Tetrahymena pyriformis* temperature-sensitive mutant 2275.
- tobacco mosaic virus, *Acetabularia* 4774.
- toluene-treated human lymphocyte 4223.
- translation control, *Glycine max*, role-cytokinin 3007.
- Trypanosoma cruzi*, inhibition-benzimidazole 3473.
- Vero cell, effect of rinderpest virus infection 3464.
- wheat embryo, effect of hydration/dehydration 5154.
- wheat germ cell-free system, misreading, stimulation-antibiotic 3409.
- Xenopus laevis* oocyte, inhibition-AMP (cyclic)/theophylline/papaverine 3002.
- yeast, storage 4852.
- Zea mays*, effect of lindane 1638.
- Protein G1**,
mRNA, *Phaseolus vulgaris*, translation/product characterization, cell-free system 5799.
- Protein kinase**,
activation-double-stranded RNA, phosphorylation-initiation factor IF-2, protein biosynthesis 4254.
- activity, polyribosome-ribosome preparation, poliovirus infected HeLa cell 2221.
- histone H1 phosphorylation site, *Strongylocentrotus intermedius* 2125.
- inhibition-tRNA fMet binding factor interaction-initiation factor, rabbit reticulocyte lysate 2602.
- phage T7, phosphorylation-*Escherichia coli* initiation factor IF-3 775.
- RNA polymerase I-associated, purification/properties, rat liver 1739.
- Saccharomyces cerevisiae*, purification/characterization, phosphorylation-ribosomal protein 2852.
- translation control, wheat germ/*Artemia salina* 1914.

- Protein kinase (cyclic AMP-dependent),**
modification-calf thymus RNA polymerase II 1706.
phosphorylation-calf thymus RNA polymerase II 2461.
- Protein VP2,**
gene, SV40, nucleotide sequence 5027.
- Protein VP3,**
gene, SV40, nucleotide sequence 5027.
- Protein X,**
gene (recA) product, *Escherichia coli* 3244.
- Proteinase,**
nuclease/structure, review 5.
- Proteinase K,**
inhibition-ribonuclease 491.
- Proteus,**
DNA, comparison-*Providencia* 5041.
- Proteus mirabilis,**
DNA, UV-irradiation-induced single-stranded breakage,
excision-repair 3205.
- DNA degradation, role-endonuclease I 1085.
- DNA polymerase A, purification/characterization 6195.
DNA repair, photodynamic treatment-induced damage 1588.
UV-irradiation-induced DNA repair, role-protein
biosynthesis/gene (rec) 1589.
mutant (MUT), excision repair following UV-irradiation
1591.
plasmid DNA replication 3195.
plasmid ROR12, DNA replication 3196.
R factor composite plasmid, DNA replication origin 4988.
R factor Rts1, replication regulation 3219.
- structure/function/regulation-*Escherichia coli* r-RNA 3813.
- Proteus morganii,**
plasmid DNA, physical properties 3157.
- Protoplast,**
tobacco, RNase content, effect of osmotic stress 1677.
- Prototheca,**
DNA base composition 3176.
- Providencia,**
DNA, comparison-*Proteus* 5041.
- Provirus,**
DNA, equine infectious anaemia virus, detection-infected
horse cell 4929.
formation/integration/rescue during transformation, review
1238.
- Prunus padus,**
bud, RNase, electrophoresis pattern during dormancy/
growth 536.
bud, RNase activity/RNA content during dormancy/growth
535.
- Pseudomonas,**
endonuclease, probe-DNA carcinogen/mutagen-induced
lesion 2430.
phylogeny study, use-phage Q β host factor RNA-binding
protein 4652.
plasmid DNA, classification/physical properties 4995.
- Pseudomonas aeruginosa,**
extracellular identification activity 548.
- isolation-plasmid Inc P-2 DNA 4944.
lipopolysaccharide, humoral immunity, transfer-immune
RNA, mouse 2661.
R factor, isolation/characterization 3518.
R factor, mapping 3154.
transformation-R factor DNA 3600.
- Pseudomonas BAL-31,**
DNase(exo), use-DNA restriction endonuclease fragment
mapping 4561.
- Pseudomonas iodinum,**
adenosine deaminase, purification/crystallization 3636.
- Pseudomonas piscicida,**
DNA base composition/size/sequence, comparison-
Pseudomonas putrefaciens /*Pseudomonas rubescens* 3919.
- Pseudomonas putida,**
chromosome, gene mapping 2495.
plasmid DNA, characterization 3153.
plasmid DNA, restriction endonuclease cleavage site analysis
5888.
transformation, antibiotic-resistance/degradative plasmid
DNA 3237.
transformation-chromosome DNA 6120.
- Pseudomonas putrefaciens,**
DNA base composition/size/sequence, comparison-
Pseudomonas rubescens /*Pseudomonas piscicida* 3919.
- Pseudomonas rubescens,**
DNA base composition/size/sequence, comparison-
Pseudomonas putrefaciens /*Pseudomonas piscicida* 3919.
- Pseudomonas testosteroni,**
RNA biosynthesis, effect of testosterone 1424.
- Pseudomonas thermophila,**
removal-RNA 5780.
- Pseudoplusia includens,**
nuclear polyhedrosis virus DNA, properties, comparison-
Trichoplusia ni /*Autographa californica* /*Rachiplusia ou*
1538.
- Pseudorabies virus,**
infected cell culture, RNase antiviral activity 2433.
infected HeLa cell, protein biosynthesis, effect of ionic
strength 3388.
- Pseudouridine synthetase,**
substrate, use-*Escherichia coli* B uridine (pseudo)-deficient
tRNA 1338.
- Psoralen,**
cross-linking, removal-*Escherichia coli* DNA, role-ATP
1587.
derivative, binding-DNA/chromatin, effect of ionic
environment 3504.
derivative, photoaddition, induction-DNA unwinding 4402.
derivative, photochemical cross-linking-DNA-RNA helix,
phage fd 2699.
derivative, photochemical cross-linking-SV40 RNA-double-
stranded DNA template 4272.
interaction-DNA, determination-4',5'-cycloadduct 2328.
interaction-DNA, UV-irradiation 3142.
interaction-purine/pyrimidine 4117.
photoreactivation-DNA, effect of base composition 2330.
- Psoralen (3-Carbethoxy),**
induced DNA damage, repair, *Saccharomyces cerevisiae*
4407.
- Psoralen (8-Methyl),**
photoreactivation-DNA, effect of base composition 2330.
- Psoriasis,**
DNA-binding protein, characterization 2146.
DNA-binding protein, isolation/characterization 2145.
- Pterotheca falconeri,**
ethyl methanesulphonate-induced chromosome aberration,
effect of caffeine 1214.
- Pumpkin,**
cotyledon, plastid/cytoplasm, rRNA biosynthesis, effect of
cytokinin/light 4342.
cotyledon, plastid/cytoplasm, rRNA biosynthesis, effect of
detachment/light 4343.

- Purine,**
 γ - irradiation, electron microscopy 40.
 analogue, effect on leukaemia L1210 cell viability 65.
 analysis, chromatography (anion exchange) 3341.
 1,4-anhydro-2-deoxy-D-arabinitol derivative, synthesis 3334.
 binding transition metal, stereospecificity 639.
 biosynthesis, regulation, human-lymphoblast 2520.
 combination-pyrimidine, effect on methotrexate therapeutic effectiveness 1270.
 derivative, separation, chromatography (thin layer) 37.
 dielectric studies 1283.
 dietary, effect on purine/pyrimidine biosynthesis, human 2155.
 dimer, self-association 5409.
 DNA base, emission polarization 2151.
 electron spectroscopy 5400.
 electronic spectrum 30.
 identification, chromatography (reversed-phase) 1834.
 incorporation, mouse brain 3711.
 interaction-psoralen/angelicin 4117.
 interaction-tricarbonylcyclohexadienylron cation 4701.
 interaction-triose reductone 4114.
 methylation, kinetics 1254.
 N-(3-carboxy-2-hydroxypropyl) derivative, synthesis/polymerization 1255.
 NMR 5401.
 pool formation, *Staphylococcus aureus* /*Escherichia coli* , inhibition heliomycinpyrimidine, pool formation, *Staphylococcus aureus* /*Escherichia coli* , inhibition-heliomycin 4692.
 prebiotic synthesis 2524.
 pyrimidine nucleoside transglycosylation 4112.
 radioactivity, separation, use-chromatography (thin layer) 77.
 radiolysis, aqueous solution, effect of radiosensitizer 4683.
 separation, chromatography (affinity) 41.
 separation, chromatography (ion-exchange) 39.
 separation-chromatography (high pressure) 4696.
 synthesis, cyclization-Michael-type adduct 1259.
 transport, *Neurospora crassa* mutant (nit-2) 4690.
 transport, *Saccharomyces cerevisiae*, mechanism 5432.
 uptake, *Babesia microti* /*Babesia rodhaini* /*Babesia divergens* /*Babesia major* 4693.
 urea complex, X-ray crystallography 25.
Purine (2'(3')-O-Alkyl) nucleoside,
 synthesis 61.
Purine (6-Alkyl) nucleoside,
 synthesis 60.
Purine (8-Alkyl) nucleoside,
 synthesis 60.
Purine (N⁶-(n-Alkylureido)) nucleoside,
 synthesis/biological activity 3713.
Purine (amino),
 association-thymidine 28.
 autoassociation 29.
 incorporation, phage T4 DNA, mutation frequency, effect of temperature 1266.
Purine (2-amino),
 induced, mutagenesis, repair deficient *Escherichia coli*, effect of R factor 4388.
Purine (2-amino-4-methyl),
 reaction-nitrous acid 45.
Purine (8-aza),
 conformation 1842.
 NMR 5401.
 1-alkyl derivative, synthesis 5399.
Purine (6-Benzylamino),
 synthesis/cytokinin activity 5431.
Purine (2-Diamino) arabinoside,
 antiviral agent, herpes simplex virus 5484.
Purine (2,6-diamino),
 resistance, effect on adenine phosphoribosyltransferase activity, *Escherichia coli* 1165.
 substituted adenine, phage S-2L DNA 5911.
Purine (furfurylamino),
 stereochemistry/hydrogen bonding, X-ray diffraction 31.
Purine (6-Furfurylamino),
 synthesis/cytokinin activity 5431.
Purine (2-hydroxy-4-methyl),
 reaction-nitrous acid 45.
Purine (6-Mercapto),
 teratogenesis, rat, relationship-dietary zinc 5430.
Purine (methyl),
 resistance, effect on adenine phosphoribosyltransferase activity, *Escherichia coli* 1165.
Purine (6-Methyl),
 effect on nitrate reductase activity, *Ankistrodesmus braunii* / *Chlorella* /*Dunaliella* 3726.
Purine (methylaza),
 circular dichroism 633.
Purine (6-(3-Methyl-2-Butenylamino)),
 synthesis/cytokinin activity 5431.
Purine (2-Methylthio-6-Benzamido),
 complex-p-nitrophenol, X-ray diffraction 5402.
Purine (9- β -Ribofuranosyl),
 effects on DNA biosynthesis/RNA biosynthesis, ascites cells 280.
Purine (thio),
 derivative, separation-electrophoresis 4695.
Purine (6-Thio),
 mouse lymphoma L5178Y cell, determination, chromatography (high-pressure liquid cation exchan 2519.
Purine (6-Ureido) riboside,
 synthesis 3345.
Purine nucleoside,
 2',3',O-adamantylphosphonate, synthesis 5448.
 analogue, activity-herpes simplex virus 115.
 analogue, effect on tRNA methylase activity, rat liver/Novikoff hepatoma 5564.
 analysis, chromatography (anion exchange) 3341.
 derivative, synthesis/properties 2161.
 incorporation, human fibroblast, effect of purine nucleoside phosphorylase deficiency 575.
 incorporation, mouse brain 3711.
 interaction-gold ion, spectroscopy 89.
 interaction-guanosine, photochemistry 2162.
 methylation, kinetics 1254.
 rat tissue, regulation-pyrimidine biosynthesis 5501.
Purine nucleoside phosphorylase,
 assay, fibroblast 2109.
 assay method 2850.
 deficiency, association-T-lymphocyte immunodeficiency 2469.
 deficiency, effect on human lymphocyte development 2471.
 deficiency, human fibroblast, effect on purine nucleoside incorporation 575.
 human erythrocyte, purification/characterization 4585.
 occurrence-leukaemia (chronic lymphocytic) lymphocyte 6211.
 physical properties, human erythrocyte 2108.
 purification/properties, rabbit erythrocyte 1154.
 reaction-phosphate analogues, bovine spleen 1148.
 role-uracil (5-fluoro) sensitivity, Novikoff hepatoma cell 4584.
Purine nucleotide,
 analysis, chromatography (anion exchange) 3341.

Purkinje cell,

rat, DNA biosynthesis/RNA biosynthesis, effect of age 1041.

Puromycin,

analogue, peptidyltransferase substrate activity/inhibition-protein biosynthesis 4240.

analogue, synthesis/interaction-*Escherichia coli* ribosomal subunit 50S 5446.

carbocyclic analogue, synthesis/biological activity 4132.

derivative, attachment site-*Escherichia coli* rRNA 23S, nucleotide sequence 2624.

dissociation-vesicular stomatitis virus glycoprotein mRNA binding-endoplasmic reticulum, CHO cell 876.

effect on rRNA biosynthesis/processing/translocation, *Tetrahymena pyriformis* 300.

photoinduced affinity labelling-*Escherichia coli* ribosome 5629.

solution conformation analysis, NMR 674.

Putrescine,

stimulation-chromatin transcription, mechanism 2494.

Pyrazomycin,

NMR 677.

Pyrene,

derivative, use-polynucleotide 3'-terminal conformation probe 1304.

1-Pyrenyloxirane,

binding-calf thymus DNA, characterization 5864.

Pyrimidine,

γ - irradiation, electron microscopy 40.

1-(tetrahydrofuryl-2) derivative, synthesis, use-2-acetoxytetrahydrofuran 1819.

5-acetyl-4-methyl-2-substituted derivative, synthesis/effect on central nervous system 5411.

analogue, therapy-herpes simplex virus encephalitis, review 1271.

1,4-anhydro-2-deoxy-D-arabinitol derivative, synthesis 3334.

benzene fluorescence quenching 5413.

bichlorinated, inhibition-poliovirus/vaccinia virus replication, mechanism 5441.

binding-transition metal, stereospecificity 639.

biosynthesis, rat tissue, regulation-purine nucleoside/pyrimidine nucleoside 5501.

boron substituted, synthesis 3337.

combination-purine, effect on methotrexate therapeutic effectiveness 1270.

degradation, *Euglena gracilis*, inhibition-analogue 71.

derivative, antiviral activity, mengovirus 2930.

derivative, inhibition-deoxycytidine kinase 4688.

derivative, ionization 5410.

dielectric studies 1283.

dietary, effect on purine/pyrimidine biosynthesis, human 2155.

dimer, UV-irradiation-induced, mouse epidermis DNA, absence-photoreactivation 4663, 4974.

dimer, self-association 5409.

DNA base, emission polarization 2151.

electron spectroscopy 5400.

3-hydroxybutyric acid derivatives, synthesis 4119.

identification, chromatography (reversed-phase) 1834.

incorporation, mouse brain 3711.

interaction-psoralen/angelicin 4117.

interaction-tricarbonylcyclohexadienyliron cation 4701.

interaction-triose reductone 4114.

NMR, effect of methyl/amino group substitution 5415.

nucleotide (deoxyribo), biosynthesis, DNA replication-associated, inhibition-mitomycin C/proflavine, phage T4 990.

oligonucleotide, primer-DNA polymerase I repair reaction,

use-DNA sequence analysis 3516.

prebiotic synthesis 2524.

radiolysis, aqueous solution, effect of radiosensitizer 4683.

separation, chromatography (affinity) 41.

separation, chromatography (ion-exchange) 39.

separation-chromatography (high pressure) 4696.

substituted, ESR 2925.

2-substituted, NMR 5412.

2-substituted, spectroscopy (INDOR) 5417.

sulphoxide/sulphone/nitramine, synthesis 3705.

synthesis 3335.

synthesis, use-benzamidine/cinnamic aldehyde 645.

synthesis, use-hydrogen cyanide 641.

uptake, *Babesia microti* /*Babesia rodhaini* /*Babesia divergens* /*Babesia major* 4693.

Pyrimidine (amino),

amino group acidity 646.

Pyrimidine (4-Aminopyrazolol[3,4-d]),

N-substituted, tautomerism 2526.

Pyrimidine (2,2'-Anhydro) nucleoside,

reaction-amine nucleophile 3720.

Pyrimidine (5-Aryl-3,4-Diamino),

synthesis 33.

Pyrimidine (bromo-1'-methylethyl),

synthesis/dehydrobromination 1262.

Pyrimidine (4,6-di-t-Butyl),

steric effects 5416.

Pyrimidine (4-(o-carboxyphenylamino),

synthesis 1820.

Pyrimidine (cyano),

Grignard reaction 644.

Pyrimidine (6,5'-Cyclo) nucleoside,

synthesis 3343.

Pyrimidine (deoxy) nucleoside,

metabolism, varicella-zoster virus-infected human foreskin fibroblast 2540.

Pyrimidine (dichloro),

antiviral activity 2158.

antiviral activity, role-thiol/disulphide 2157.

Pyrimidine (2,4-Dichloro),

interaction-amine/ammonia 3336.

Pyrimidine (4,6-dichloro-2-amino),

interaction-oxalyl chloride 1821.

Pyrimidine (5,6-Dihydro),

photochemical dehydrogenation 4118.

Pyrimidine (4,6-Dimethyl),

steric effects 5416.

Pyrimidine (fluoro),

induced, antagonism-methotrexate, Ehrlich ascites cell 1830.

Pyrimidine (N- ω -Haloalkyl),

synthesis 2152.

Pyrimidine (2-halogen),

Raman spectra/IR-spectroscopy 1261.

Pyrimidine (hydrazino-4-hydroxy-6-methyl),

complex-copper/cobalt/zinc/nickel, IR spectroscopy/NMR 52.

Pyrimidine (hydroxy),

interaction-N-phenyl-N-methyl- ω -chloroalkylsulphonamide 3704.

Pyrimidine (4-Hydroxy-2-Methyl),

photometric titration 2527.

5-substituted, photometric titration 2528.

Pyrimidine (2-Isopropyl),

derivative, synthesis/characterization 5418.

Pyrimidine (5-Mercuri) nucleotide,

reaction-thiol/hydrogen sulphide 4160.

- Pyrimidine (2-(1-pyrazolyl))**, derivative, synthesis 1818.
- Pyrimidine (thiazolo[5,4-d])**, derivative, potentiation-phleomycin antibacterial activity. *Escherichia coli* 2931.
- Pyrimidine (2-(2'-thienyl))**, substitution reaction 1823.
- Pyrimidine (2-(3'-thienyl))**, substitution reaction 1823.
- Pyrimidine (thiohydrazino)**, effect on orotate incorporation-nucleotide/RNA, mouse liver 661.
- effect on RNA biosynthesis/pyrimidine nucleotide biosynthesis 662.
- Pyrimidine (trioxopyrrolo[2,3-d])**, synthesis 29.
- Pyrimidine(aminothiodihydro)**, structure 46.
- Pyrimidine arabinoside(anhydro)**, acyl derivative, synthesis 51.
- Pyrimidine(aza)**, interaction-methylhydrazine 44.
- Pyrimidine(azo)**, derivative, preparation/antitumour activity 43.
- Pyrimidine deoxyribonucleoside kinase**, herpes simplex virus induced, association-dTMP kinase, mouse cell 6212.
- Pyrimidine dimer**, assay, DNA repair following UV-irradiation, human fibroblast 5118.
- C-alkylation/deuteration 2525.
- DNA, interaction-tumour formation, UV-irradiation-treated *Poecilia formosa* thyroid 2697.
- excision, *Saccharomyces cerevisiae*, assay 4488.
- measurement 399.
- quantitation, *Bacillus subtilis* sphaeroplast DNA 5942.
- repair, *Saccharomyces cerevisiae* radiation-sensitive mutant 3206.
- Pyrimidine dinucleotide**, isolation-herring sperm DNA 83.
- Pyrimidine 2'(3'),5'-Diphosphate**, synthesis/properties 4158.
- Pyrimidine(fluoro)**, derivative, preparation/antitumour activity 43.
- Pyrimidine(hydrazino-4-hydroxy-6-methyl)**, zinc complex, X ray crystallography 642.
- Pyrimidine(hydroxymethyl)**, synthesis 53.
- Pyrimidine(mercapto-methyl)**, reaction-nitrous acid 45.
- Pyrimidine(methyl)**, diazo coupling reaction 48.
- interaction- α - halo ketone 47.
- Pyrimidine(methylthio)**, interaction-methylhydrazine 44.
- Pyrimidine(nitrohexahydro)**, conformation, effect of solvent 640.
- Pyrimidine(nitrotetrahydro)**, NMR, trifluoroacetic acid slution 49.
- Pyrimidine nucleoside**, 5- substituted, oligonucleotide synthesis, use-RNase 165.
- analogue, activity-herpes simplex virus 115.
- C-5 mercurated, synthesis 3721.
- fluorinated, synthesis 4136.
- incorporation, mouse brain 3711.
- interaction-gold ion, spectroscopy 89.
- rat tissue, regulation-pyrimidine biosynthesis 5501.
- 5-substituted, reaction mechanism, review 4.
- transglycosylation-purine 4112.
- Pyrimidine nucleoside kinase**, induction, cytidine (deoxy) halogen analogue inhibition-herpes simplex virus 2 3349.
- Pyrimidine nucleoside monophosphate kinase**, human leukaemia blast cell, characterization 2849.
- separation method 1734.
- Pyrimidine nucleotide**, 5- substituted, reaction mechanism, review 4.
- biosynthesis, effect of pyrimidine (2-thio-4-hydrazino) 662.
- cluster, exogenous DNA, effect on growth/radiation resistance, mouse 3977.
- isolation-herring sperm DNA 83.
- Pyrimidine(pyrazolo[4,3-d])**, synthesis 50.
- Pyrimidine(pyrrolo)**, derivative, synthesis 643.
- Pyrimidine(pyrrolo[2,3-d])**, NMR 54.
- Pyrimidine(thio)**, interaction-methylhydrazine 44.
- Pyrimidine(s-triazolo[4,3-a])**, isomerization 1822.
- Pyrimidine-2-Thione**, metal halide complex, structure 5414.
- Pyromycin**, effect on γ - irradiation-induced nucleoprotein degradation, rat thymocyte/mouse thymus 598.
- Pyrophosphate**, inhibition-phage Q β RNA polymerase, effect of metal ion/substrate/template 5239.
- Pyruvate**, effect on DNA biosynthesis/RNA biosynthesis/protein biosynthesis, hepatoma cell culture 495.
- Q base**, synthesis 24.
- Quail**, ovary, DNA biosynthesis during follicle formation 5134.
- Quinacrine**, complex-DNA, accumulation-air-water interface 388.
- effect on DNA polymerase I activity 1724.
- Quindoxin**, effect on DNA/RNA/protein biosynthesis, *Escherichia coli* 5102.
- Quinolinemethanolamine**, interaction-DNA, role-antimalarial activity 4975.
- 8-Quinolinesulphonyl chloride**, use-oligonucleotides synthesis 129.
- Quinomycin C**, binding-DNA, sequence specificity 333.
- Quinoxaline**, synthetic analogue, binding-DNA 4952.
- R factor**, aminoglycoside phosphotransferase gene DNA, relationship-antibiotic-producing bacteria 5045.
- book review 3684.
- composite plasmid, *Proteus mirabilis*, DNA replication origin 4988.
- conjugation, mechanism, review 3330.
- conjugation/replication, review 3316.

R factor.(continued)

DNA. dissociation/amplification/reassociation 4983.
 DNA. replication, regulation, *Escherichia coli* K12 5081.
 DNA. structure/replication, review 3324.
 DNA. transformation-*Pseudomonas aeruginosa* 3600.
 effect on UV irradiation/methyl methanesulphonate/cis-platinum dichlorodiamine/2-aminopurine-induced mutagenesis, repair deficient *Escherichia coli* 4388.
 ER1. identification/characterization, *Escherichia coli* 3155.
Escherichia coli. RNA coding 3601.
Escherichia coli K12/*Salmonella typhimurium*. characterization 3520.
 genetic analysis, review 3331.
 NR1. DNA in vitro translation 3229.
Pseudomonas aeruginosa. isolation/characterization 3518.
Pseudomonas aeruginosa. mapping 3154.
 Rts1. replication regulation, *Proteus mirabilis* 3219.
 specified, low-molecular weight RNA. isolation/characterization 4814.
 transcription, *Escherichia coli* 4861.
 transfer, *Escherichia coli* 5176.
 trimethoprim resistance, *Escherichia coli*. isolation-dihydrofolate reductase gene-carrying fragment 5835.

Rabbit,
 antigen-primed lymphoid cell, DNA biosynthesis, stimulation-spleen promotor cell 1039.
 bone marrow/kidney cell, double-stranded precursor mRNA, hybridization-globin mRNA 3452.
 brain, nonhistone protein content 4622.
 brain nucleus, histone thiol content 2127.
 casein mRNA, stabilization-prolactin/glucocorticoid 4357.
 cerebral cortex, RNA biosynthesis, review 5380.
 chromatin protein, synthesis/phosphorylation 2135.
 content, mRNA 5661.
 corpus luteum, RNA biosynthesis, effect of 17 β -oestradiol withdrawal 1429.
 diabetic/insulin-treated, skeletal muscle, tRNA (valyl) synthetase/tRNA (alanil) synthetase activity 4212.
 DNA antibody, antigenic determinant size-DNA, comparison-systemic lupus erythematosus antibody 592.
 embryo, DNA/RNA concentration, effect of 6-aminonicotinamide 2774.
 embryo, low-molecular weight RNA biosynthesis following fertilization 3073.
 endometrium, reverse transcriptase/DNA polymerase activity 5268.
 erythroid bone marrow cell, mRNA precursor, structure 3058.
 erythroid cell, mRNA/mRNA precursor, structure 3057.
 globin, codon use, pattern 3767.
 β -globin gene, coding sequence analysis 1557.
 globin/immunoglobulin gene sequence 2333.
 β -globin mRNA, comparison-human, evolution 2631.
 globin mRNA, stability, role-poly (A) 2973.
 globin mRNA translation, recognition-5'-terminal 7-methylguanosine 4367.
 heart, RNA biosynthesis during myocardial hypoxia/anoxia 2654.
 kidney cell, vesicular stomatitis virus replication, facilitation-Shope fibroma virus 5094.
 liver, DNA, mapping-region adjacent- β -globin gene 970.
 liver, tRNA (methionyl) synthetase/tRNA (lysyl) synthetase purification 1343.
 liver, tRNA nucleotidyltransferase, purification/binding study 4213.
 lung, uteroglobin-like protein, translation in vitro 1348.
 lymphocyte, sister chromatid exchange frequency 6302.

mammary gland, casein mRNA, effect of prolactin/glucocorticoid 3079.
 mammary gland, RNA biosynthesis, effect of polyamine 4339.
 methyl methane sulphonate-treated, DNA repair, spermatozoa 6030.
 plasma cell, DNA/RNA content, effect of acetylsalicylic acid/diacetoxybenzoic acid/azathioprine/D-penicillamine 4377.
 reticulocyte, α -globin/ β -globin biosynthesis 751.
 reticulocyte, cell-free system, translation-tyrosine aminotransferase mRNA 3109.
 reticulocyte, cytoplasmic globin mRNA, biosynthesis 3072.
 reticulocyte, globin mRNA, physical properties 3040.
 reticulocyte, initiation factor, purification/characterization 2601.
 reticulocyte, initiation factor IF-1, binding tRNA fMet, association-protein factor 5648.
 reticulocyte, initiation factor IF-2, purification/characterization/function 225.
 reticulocyte, protein biosynthesis, inhibition-temperature, mechanism 2594.
 reticulocyte, protein biosynthesis, inhibition-glucose 6-phosphate/fructose 1,6-diphosphate, effect of NAD 5602.
 reticulocyte, protein biosynthesis initiation, inhibition-supernatant factor TDI 778.
 reticulocyte, RNA-binding protein, elongation factor/initiation factor activity 4802.
 reticulocyte cytoplasm, messenger ribonucleoprotein, isolation/characterization 4603.
 reticulocyte cytosol, tRNA (histidyl) synthetase, purification/properties 3380.
 reticulocyte lysate, translation-mouse interferon mRNA 4919.
Schistosoma japonicum-infected, single-stranded DNA, antibody activity 593.
 uterus, RNA polymerase I/RNA polymerase II activity, inhibition-progesterone 1120.

Rabbitpox virus,
 DNA, restriction endonuclease cleavage analysis, comparison-cowpox virus/vaccinia virus/ectromelia virus/fowl pox virus 1535.

Rabies virus,
 ribonucleoprotein, comparison-strains, radioimmunoassay 1173.
 RNA polymerase activity, characterization 4570.

Rachiplusia ou,
 nuclear polyhedrosis virus DNA, properties, comparison-*Trichoplusia ni*/*Pseudoplusia includens*/*Autographa californica* 1538.

Radioprotection,
 adeturone, mechanism, *Escherichia coli* 3952.

Radiosensitivity,
 UV-irradiation, *Salmonella typhimurium*/*Salmonella abony* 2756.

Raji cell,
 Epstein-Barr virus-superinfected, protein biosynthesis 4772.

Raman spectra,
 AMP/UTP/GMP/CMP/ATP (8-bromo)/adenosine (8-bromo)/guanosine (8-bromo)/uridine (5-bromodeoxy)/cytidine (5-bromodeoxy) 4151.
 chromatin DNA structure 5883.
 diammine platinum(II), reaction-GMP/CMP/AMP/UMP/TMP 4156.
 guanine/uracil 35.
 guanylyl (-3',5')-guanosine 4173.
 poly (A) structure/conformation, neutral/acid solution 3361.
 pyrimidine (2-halogen) 1261.

Raman spectra,(continued)

- tobacco mosaic virus/cucumber virus 4 RNA structure 4838.
 turnip yellow mosaic virus RNA structure 4287.
 yeast tRNA/*Escherichia coli* RNA 5S, comparison-yeast tRNA Phe 5569.
- Rana catesbeiana,**
 tadpole, polyribosome translation efficiency, thyroid hormone-induced regulation 5636.
- Rana esculenta,**
 auricle, DNA release 511.
 auricle, extracellular DNA biosynthesis following release 463.
- Rana nigromaculata,**
 egg, transplanted foreign nucleus, DNA biosynthesis 6055.
- Rana pipiens,**
 cell, DNA repair, effect of acridine mustard ICR 191/N-methyl-N'-nitro-N-nitrosoguanidine 2386.
 development, DNA/RNA biosynthesis 5991.
 striated muscle, RNA biosynthesis, control 5761.
- Rana temporaria,**
 oocytes, RNA-binding protein, isolation 644.
- Rat,**
 adult, liver regeneration, DNA biosynthesis, stimulation-weanling rat liver extract, effect of light 3969.
 bladder epithelium, N-butyl-N-(4-hydroxybutyl)nitrosamine-induced DNA damage 3955.
 bone marrow, DNA biosynthesis/RNA biosynthesis, stimulation-*Panax ginseng* extract 2771.
 bone marrow/thymus, distribution-deoxynucleotidyl transferase terminal 570.
 brain, chromatin, effect of laser irradiation 6260.
 brain, differential rat metabolism, analysis 4858.
 brain, DNA, long-term persistence-guanine (O⁶-methyl) 1057.
 brain, DNA biosynthesis/RNA biosynthesis during development, effect of hydrocortisone/ACTH/aldosterone/thyroxine 5098.
 brain, DNA biosynthesis/thymidine kinase activity during development, effect of thyroid deficiency 6064.
 brain, histone/nonhistone protein acetylation, modulation-adrenaline/noradrenaline 5306.
 brain, neuron/glia nucleus, regulation-RNA biosynthesis 3454.
 brain, nonhistone protein content 4622.
 brain, nucleus, DNA polymerase γ , comparison-synaptosomal mitochondria 5265.
 brain, protein/RNA biosynthesis, effect of metergoline 1952.
 brain, purification/characterization-histone-lysine methyltransferase 1166.
 brain, RNA, sequence diversity, effect of environment 2268.
 brain, RNA biosynthesis/DNA biosynthesis during development 3190.
 brain, RNA biosynthesis/histone acetylation, during development/age 4312.
 brain, RNase H activity during development 4001.
 brain cell, RNA release, measurement 3850.
 brain development, thymidine kinase/thymidylate synthetase activity, effect of undernutrition 2118.
 brain/liver RNA, memory transfer 869.
 brain normal/tumour, DNA, repair, X-irradiation-induced damage 4495.
 brain nucleus, DNA polymerase α /1135.
 brain nucleus, histone thiol content 2127.
 brain nucleus, RNA biosynthesis, effect of morphine 4901.
 caecum mucosa, DNA/RNA content, effect of polyethylene glycol 2309.
 cardiac muscle, DNA biosynthesis during differentiation, DNA polymerase α association-nuclear membrane 5992.
 cell-culture, DNA biosynthesis, stimulation-serum 2783.
 cell line, transformation-adenovirus (human) 12 DNA fragment 1072.
 cell line, transformation-adenovirus (human) 7 DNA fragment 6118.
 cells, SV40 + polyoma virus doubly transformed, nonintegrated DNA 3855.
 central nervous system, RNA content, effect of audiogenic seizure 859.
 cerebellar cortex, chromatin, DNA denaturation/renaturation 3668.
 cerebellum, DNA biosynthesis/thymidine metabolism during development, effect of thyroidectomy 1002.
 cerebral cortex, ribosomal protein phosphorylation, effect of AMP (cyclic) 4793.
 chromosome, effect of ethylnitrosourea 2139.
 chromosome, irradiation-treated, effect of DNA 618.
 chromosome, rRNA gene localization 1787.
 colon/duodenum/liver, DNA, methylation-methylazoxymethanol acetate 5861.
 colon epithelial cell, DNA biosynthesis/thymidine kinase activity 5078.
 connective tissue, low-molecular weight RNA, isolation/inhibition-mRNA translation 5664.
 diabetic, liver/heart/spleen mitochondria, RNA biosynthesis, effect of hydrocortisone 2285.
 diethylnitrosamine-induced carcinogenesis, correlation-DNA repair 6029.
 DNA, repetitive/inverted repeat, sequence organization 1561.
 DNA biosynthesis, effect of vinyl chloride/chloroethylene oxide/chloroacetaldehyde 500.
 DNA biosynthesis during myocardium development 4477.
 DNA biosynthesis/RNA biosynthesis/protein biosynthesis, effect of magnesium deficiency 2399.
 DNA biosynthesis/RNA biosynthesis/protein biosynthesis, effect of X-irradiation 3210.
 DNA content, effect of protein-energy malnutrition 3118.
 DNA polymerase α activity during cardiac muscle differentiation 2838.
 DNA repair capacity, effect of age 4491.
 DNA transcription, effect of reassociation 281.
 embryo, cell, transformed, transcription-adenovirus (human) 5 DNA 3831.
 embryo, cell line, adenovirus (human) 5-transformed, RNA metabolism, effect of herpes simplex virus infection 5740.
 embryo, effect of DNase/RNase 1105.
 embryo, RNA biosynthesis/protein biosynthesis, effect of prostaglandin F₂ α 2288.
 epididymis/ductus deferens, protein/RNA level during postnatal development 3089.
 epididymis/ductus deferens/prostate gland, RNA biosynthesis/during postnatal development RNA 3080.
 epithelium, DNA biosynthesis during reepithelization, measurement 5137.
 fibroblast, DNA polymerase, induction-mitomycin C 3266.
 fibroblast subculture, loss-DNA repair capacity 492.
 α -foetoprotein mRNA, quantitation, use-complementary DNA probe 1395.
 gliosarcoma, (γ ->irradiation-treated, DNA damage/repair, detection-nuclease S1 3964.
 granulation tissue, DNA biosynthesis, inhibition-dermal extract 5136.
 growth hormone sequence-containing DNA, primary structure 2011.
 heart, DNA polymerase activity during postnatal development 3269.
 heart muscle, RNA/protein biosynthesis, rate, effect of age 5764.

Rat.(continued)

- heart myocardium nucleoprotein/histone/DNA content during hypertrophy 597.
- hepatic tryptophan 2,3-dioxygenase mRNA, content during development 2246.
- hepatocyte, chromatin subunit structure, comparison-compact/diffuse 1775.
- hepatocyte, low-molecular weight DNA, isolation/characterization 5839.
- hepatocyte, thymidine transport 5506.
- hepatoma, albumin mRNA translation, pre-proalbumin synthesis 1476.
- hippocampus, localization-5'-nucleotidase 4587.
- hippocampus, poly (A)-containing RNA biosynthesis, effect of training 2655.
- hypertrophied heart cell-free system, protein biosynthesis, stimulation-thyroidothyronine 3406.
- hypothalamic arcuate nucleus, RNA biosynthesis, effect of left side orchiectomy 857.
- insulinoma, RNA transcription product, characterization 4848.
- intestinal mucosa, irradiation-induced DNA repair, effect of heterologous DNA 6082.
- intracerebral gliosarcoma, 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea, induction-DNA damage 1979.
- kidney, tRNA methylase activity, comparison-carcinoma 731.
- kidney, tRNA methylase specificity-tRNA Val, comparison-carcinoma 732.
- kidney/liver, DNA biosynthesis, effect of chlorphentermine/phentermine 2050.
- kidney tumour, polyoma virus-transformed, RNA transcript, transport 5736.
- lens epithelium, DNA repair, induction-nitrogen mustard/4-nitroquinoline-1-oxide 6028.
- lens fibre, RNA-containing terminal body 4935.
- liver, r RNA 28S degradation 328.
- liver, t RNA (tyrosyl) synthetase, purification/properties 184.
- liver, albumin mRNA, identification-high-molecular weight precursor 5665.
- liver, albumin mRNA, purification/analysis 1922.
- liver, albumin mRNA content/translation, effect of protein deficiency 3424.
- liver, benzo(a)pyrene-DNA binding, dose-response relationship 4960.
- liver, cell-free system, ribosome, amino acid incorporation 4801.
- liver, chromatin, nonhistone protein/histone H1 content 5335.
- liver, chromatin, solubilization-endonuclease 4080.
- liver, chromatin, template-RNA biosynthesis 4066.
- liver, chromatin, transcription complex organization 5328.
- liver, chromatin/DNA, transition temperature, effect of dimethylnitrosamine/diethylnitrosamine 3665.
- liver, chromatin subunit, interaction-anti-histone serum 4063.
- liver, chromatin transcription, effect of cortisone 3836.
- liver, DNA, hycanthone-damaged, repair 2030.
- liver, DNA, methylation-dimethylnitrosamine, effect of partial hepatectomy/carbon tetrachloride 2031.
- liver, DNA, methylation-N-methyl-N-nitrosourea, effect of polyamine 5863.
- liver, DNA biosynthesis, effect of protein diet following starvation 1622.
- liver, DNA content, effect of hypoxia 2770.
- liver, DNA ethylation, diethylnitrosamine 1976.
- liver, DNA/histone, interaction-captan/folpet 5307.
- liver, DNA polymerase γ localization 5266.
- liver, DNA repair in vivo, dimethylnitrosamine/diethylnitrosamine-induced damage 2393.
- liver, DNA/RNA, binding-benzo(a)pyrene 4967.
- liver, DNA unwinding protein, purification/characterization 6310.
- liver, epithelium, nucleoside triphosphatase activity during malignant transformation 6220.
- liver, ethanol biosynthesis, effect of ethanol 4247.
- liver, euchromatin level during regeneration 4634.
- liver, free/membrane-bound polyribosome, isolation 5623, 5650.
- liver, histone phosphatase, characterization 4614.
- liver, identification-low-molecular weight RNA 3423.
- liver, mitochondria, poly(A)-containing mRNA 7.5S, isolation/characterization 1938.
- liver, mitochondria, mRNA isolation, characterization-complementary DNA 3553.
- liver, mitochondrial poly (A) polymerase, stimulation-primer 4738.
- liver, mitochondrial poly (A) polymerase, stimulation-primer, reaction product 4737.
- liver, nonhistone protein, isoelectric focusing 5315.
- liver, normal/malignant, RNA biosynthesis, effect of actinomycin D 844.
- liver, normal/regenerating, comparison-poly(A)-containing <?m>RNA sequence 268.
- liver, normal/regenerating, DNA methylase activity 5289.
- liver, normal/regenerating, tRNA base composition 4203.
- liver, nuclear ribonucleoprotein, effect of galactosamine/actinomycin D 596.
- liver, nuclear ribonucleoprotein, mRNA precursor, structure 3819.
- liver, nucleoside phosphotransferase/thymidine kinase, characterization 576.
- liver, nucleosome, occurrence-protein A24 2901.
- liver, nucleus, RNA biosynthesis 3824.
- liver, nucleus, thyroidectomy, RNA polymerase I activity, effect of triiodothyronine 559.
- liver, perichromatin-like granule, nucleolar origin 5329.
- liver, poly (A)-containing mitochondrial RNA 5668.
- liver, poly (A)-containing mitochondrial RNA, messenger activity 5793.
- liver, poly (A)-containing mRNA, complexity 2267.
- liver, poly (A) synthetase localization 2477.
- liver, poly (ADP-ribose)-histone bond cleavage enzyme, purification/characterization 4594.
- liver, poly(ADP-ribose) synthetase, purification/properties 1319.
- liver, polyribosomal mRNA, stabilization-cycloheximide 4920.
- liver, polyribosome content/protein biosynthesis activity following hepatectomy, effect of age 4778.
- liver, polyribosome/protein biosynthesis, effect of ethionine/thioacetamide/dimethylnitrosamine/aflatoxin B1 4794.
- liver, precancerous/malignant, distribution-RNase (acid)/RNase (alkaline) activity 1091.
- liver, protein biosynthesis, inhibition-*Penicillium roqueforti* PR toxin 5600.
- liver, protein biosynthesis regulation, protein ingestion circadian variation 4221.
- liver, regenerating, DNA biosynthesis initiation/amino acid transport, inhibition-colchicine 6062.
- liver, regenerating, DNA biosynthesis/thymidine kinase induction, effect of methyl methanesulphonate/dimethylnitrosamine 5116.
- liver, regenerating, DNA content, effect of dimethylnitrosamine/methyl methanesulphonate 1021.

Rat,(continued)

- liver, regenerating, DNA methylase, purification/characterization 4591.
- liver, regenerating, histone biosynthesis, inhibition- α -amanitin 4055.
- liver, regenerating, nuclear protein phosphorylation 1181.
- liver, ribonucleoprotein, isolation/characterization 2871.
- liver, ribosomal subunit 40S, structure, electron microscopy 5621.
- liver, ribosome, attachment-membrane, characterization 5622.
- liver, ribosome, effect of protein deficiency 216.
- liver, ribosome, localization-proteinase activity 2587.
- liver, ribosome/polyribosome, binding-endoplasmic reticulum 3783.
- liver, tRNA (aminoacyl), binding-ribosome, effect of 7,12-dimethylbenz(a)anthracene 1377.
- liver, RNA (heterogeneous nuclear)-containing ribonucleoprotein complex, characterization 3649.
- liver, tRNA, interaction-aflatoxin B₁ 4743.
- liver, RNA, resistance-enzymatic degradation during hepatocarcinogenesis 4369.
- liver, tRNA Asn, nucleotide sequence 4751.
- liver, rRNA biosynthesis, effect of protein deficiency 5767.
- liver, RNA biosynthesis/chromatin structure, effect of cortisone 5745.
- liver, tRNA methylase, purification/characterization 4758.
- liver, tRNA methylase, recognition-adenylate residue, *Escherichia coli* tRNA 1340.
- liver, RNA polymerase activity, effect of freezing 5248.
- liver, RNA/protein metabolism, effect of tryptophan deprivation 858.
- liver, tRNA sulphurtransferase, properties 4759.
- liver, RNA transcription, stimulation-heparin, mechanism 313.
- liver, mRNA transport, comparison-juvenile/adult 5784.
- liver, RNA transport, effect of X-Irradiation 4909.
- liver, rRNA 18S, nucleoside content 5711.
- liver, rRNA 5S isomer, characterization 5713.
- liver, RNase H activity, during regeneration/development 545.
- liver, transport-polyribosome RNA, comparison-hepatoma AH-130 329.
- liver, tyrosine aminotransferase isoenzyme mRNA content, effect of cortisol 4329.
- liver, tyrosine aminotransferase mRNA, isolation/purification 5666.
- liver, tyrosine aminotransferase mRNA biosynthesis, effect of AMP (dibutyl cyclic) 5769.
- liver/bladder, DNA, binding-saccharin 4976.
- liver cell, ribonucleoprotein accumulation, effect of camptothecin 1175.
- liver chromatin, DNA/nonhistone protein, binding-glucocorticoid-receptor complex 5339.
- liver/colon/kidney, DNA, alkylation-1,2-dimethylhydrazine, formation-guanine (O⁶-methyl) 2690.
- liver DNA, ethylation, effect of effect on 2388.
- liver/hepatoma, ribonucleoprotein, protein composition, effect of 3'-methyl-4-dimethylaminoazobenzene 5300.
- liver/kidney, DNA/RNA content, effect of lead poisoning 498.
- liver/kidney/testis, RNA, isolation, use-sulphuric acid/nitric acid/hydrochloric acid 4270.
- liver nucleus, contamination-ribosome during purification 217.
- lung, DNA biosynthesis, effect of paraquat/diquat 1623.
- lung, ribosome biosynthesis, ribosome localization 4235.
- lymphoblast cell culture, DNA release 1059.
- lymphoid cell, DNA biosynthesis, effect of partial hepatectomy 1624.
- male, liver nucleus, α -globulin gene transcription 5730.
- mammary gland, casein biosynthesis/casein mRNA, inhibition-progesterone during pregnancy 2648.
- mammary gland epithelium, normal/neoplastic, DNA biosynthesis, effect of hormone 1031.
- mammary gland epithelium, RNA biosynthesis pattern, effect of 7,12-dimethylbenz(a)anthracene 3088.
- mammary gland/liver, DNA, binding 7,12-dimethylbenz(a)anthracene 3128.
- mitochondrial DNA, analysis, use-restriction endonuclease EcoRI 455.
- mitochondrial DNA, restriction endonuclease cleavage map 2010.
- mitochondrial DNA, restriction endonuclease EcoRI cleavage site mapping 3181.
- mitochondrial DNA, restriction endonuclease analysis 5064.
- mother-foetus system, distribution-tritiated thymidine 5510.
- muscle, protein biosynthesis/RNA polymerase activity, effect of cycloheximide 5603.
- myocardium, chromatin, activation during hyperthyroidism, role-nonhistone protein 4642.
- myocardium/skeletal muscle, DNA biosynthesis, effect of dipyridamole 2772.
- neonate, DNA/RNA/protein metabolism, effect of maternal undernutrition 6063.
- neonate, protein/RNA metabolism, effect of maternal undernutrition 3479, 3480, 3481.
- nodose ganglion, in vivo RNA biosynthesis 280.
- nodose ganglion, RNA biosynthesis, effect of vagotomy 308, 309.
- nucleosome, relationship-DNA nucleotide sequence 6280.
- nucleotide pyrophosphatase/phosphodiesterase I, organ distribution/characterization 1160.
- oesophagus epithelium, DNA biosynthesis, effect of N-nitroso compound 2778.
- palate epithelium, DNA biosynthesis, effect of hypophysectomy 1628.
- pancreas, DNA biosynthesis/content, effect of fasting/refeeding 2049.
- pancreas, DNA/RNA/protein biosynthesis 2373.
- pancreas, histone H1 modification, effect of partial pancreatectomy/protein-free ethionine 2126.
- pancreas, zymogen granule, RNA/DNA content 888.
- parotid, DNase activity, effect of metal ion 4004.
- peritoneal macrophage, inhibition-DNA biosynthesis 5142.
- pituitary gland, DNA biosynthesis, effect of haloperidol/bromocriptine/diethylstilboestrol 6016.
- pituitary gland, prolactin mRNA activity, effect of 17 β -oestradiol 1945.
- pituitary gland tumour, growth hormone mRNA translation, stimulation-triiodothyronine 343.
- placenta, RNA methylase activity 1883.
- poly (A)-containing RNA biosynthesis during cardiac hypertrophy, effect of digitoxin 1449.
- prostate gland, tRNA^{Arg}/tMet, binding-initiation factor IF-2/ribosomal subunit 551.
- prostate gland, prostatic binding protein mRNA activity, effect of adrogen treatment/castration 338.
- prostate gland, steroid-binding protein, synthesis, *wheat germ* /*Xenopus* 3004.
- prostate gland chromatin, RNA chain elongation-RNA polymerase B, regulation-androgen 2286.
- prostate gland/seminal vesicle, RNA biosynthesis/DNA biosynthesis/protein biosynthesis, effect of 4-nitro-3-

Rat,(continued)

trifluoromethylisobutyrilide 1427.
 prostatic binding protein mRNA, translation, effect of steroid hormone 5795.
 regenerating liver. DNA polymerase α , characterization 2839.
 regenerating liver, nuclear DNA methylation 3586.
 regenerating liver/hepatoma, characterization-cytoplasmic RNA 1413.
 repetitive DNA, sequence analysis 1560.
 ribosomal subunit 60S acidic phosphoprotein, HeLa cell, comparison-HeLa cell 755.
 RNA biosynthesis during maturation 2280.
 RNA polymerase, effect of cycloheximide 1121.
 RNA polymerase activity, relationship-hyperoestrogenism 5238.
 RNA/protein biosynthesis, effect of age 3843.
 RNase (alkaline) activity, effect of age/weight/zinc uptake 3999.
 skeletal muscle, protein biosynthesis/ribosome structure, during fasting/refeeding, effect of age 5638.
 skeletal muscle, rRNA content during autolysis 4259.
 skeletal muscle nucleus, RNA polymerase A/RNA polymerase B assay 1124.
 skin, hexadecane-induced DNA biosynthesis, association-AMP (cyclic) 4509.
 spermatocyte, DNA-binding protein, purification/characterization 622.
 spleen, chromatin, thiol content, effect of oxoglutarate/disulphide 5342.
 spleen, lymphocyte, UV-irradiation-induced DNA repair, inhibition-X-irradiation 5115.
 spleen, nucleotidase, purification/characterization 2116.
 spleen/bone marrow, DNA content during hypoxia adaptation 358.
 spleen/bone marrow/thymus, γ -irradiation reduction-DNA content, effect of hypoxia 2391.
 testis, histone analysis during postnatal development 4607.
 testis, nonhistone protein, characterization 5322.
 testis, spermatocyte, RNA biosynthesis in vitro 282.
 thymocyte, DNase (alkaline) activity, effect of irradiation 3259.
 thymus, histone, effect of γ -irradiation 2878.
 thymus/liver/spleen, RNA biosynthesis, effect of irradiation 302.
 tissue, nuclear RNA, nucleotide sequence complexity 2269.
 tissue, pyrimidine biosynthesis, regulation-purine nucleoside/pyrimidine nucleoside 5501.
 uterus, chromatin, distribution-oestradiol receptor complex 2889.
 uterus, DNA biosynthesis, stimulation-oestrogen 6017.
 uterus, RNA (heterogeneous nuclear)/rRNA biosynthesis, stimulation-17 β -oestradiol/oestriol 1428.
 vagus nerve, RNA biosynthesis, effect of vagotomy 2293.
 ventral prostate, DNA biosynthesis, effect of age 2400.
 ventral prostate, mRNA biosynthesis, regulation-testosterone 4328.
 ventricular myocardium, DNA biosynthesis, effect of intermittent high altitude hypoxia 499.
 visual centre, DNA biosynthesis, effect of complete darkness 1044.
Rauscher leukaemia virus,
 deoxynucleotidyl transferase terminal activity 2842.
 DNA biosynthesis, infected mouse embryo fibroblast, effect of hydroxyurea 6051.
 DNA polymerase, interaction-alkyl-agarose matrix 2837.
 gag/gag-pol protein precursor biosynthesis, cell-free system 5790.

gene (gag)/gene (pol) product precursor, biosynthesis, cell-free system 3764.
 infected cell line, reverse transcriptase, isolation/characterization 6206.
 reverse transcriptase, biosynthesis 3631.
 reverse transcriptase, complex-Hodgkin's disease RNase 2101.
 reverse transcriptase, effect of geldanamycin/derivative 4580.
 reverse transcriptase, inhibition-anthracycline compound 6209.
 reverse transcriptase, inhibitor synthesis 5273, 5278.
 RNA genome, distribution-phosphoprotein binding site 1400.
 RNase H, characterization 6149.
 structural protein, binding-RNA/DNA 4090.

RD-114 virus,

reverse transcriptase, characterization, relationship-mammalian C-type virus gene (pol) product 5276.
 RNA-binding protein/genome binding site, comparison-C-type virus 3678.

Recombinant,

DNA plasmid, incorporation/maintenance, plant protoplast 4527.

formation, La Crosse virus + snowshoe hare virus 1456.

Reovirus,

double-stranded RNA, induction-interferon, comparison-*Penicillium chrysogenum* mycophage/phage f2 1455.
 haemagglutinin gene, identification 6114.
 infected L929 cell, DNA/histone biosynthesis 6006.
 mapping 3537, 3538.
 mRNA, lacking 5'-terminal guanosine (7-methyl), translation, role-initiation factor 1468.
 RNA, mapping 1931.
 mRNA, ribosome-associated 5'-terminal nucleotide sequence 1399.
 mRNA, 5'-terminal fragment, binding-ribosome 2256.
 m-RNA, translation, interferon-mediated low-molecular weight inhibitor, purification/characterization 1422.

Reovirus 3,

double-stranded RNA, RNase T1 activity 1100.
 RNA, adenosine residue, methylation in vitro 5755.

Repair,

UV- irradiation damage, *Escherichia coli* 487.
Aspergillus nidulans DNA, psoralen-pyrimidine monoadduct 3207.
 capacity, loss during rat fibroblast subculture 492.
 Chinese hamster cell DNA, alkylation-dimethyl sulphate 5111.
 comparison-normal/Bloom's syndrome/ataxia telangiectasia fibroblast 1030.
 cross-linking, mitomycin C/UV-irradiation induced DNA lesion, normal/Xeroderma pigmentosum/Fanconi's anaemia human cell 2034.
 defective, UV-irradiation/ γ -irradiation-damaged DNA, human Fanconi's anaemia 3958.
 deficiency, human, association-cancer, review 2918.
 DNA, (γ ->irradiation-treated rat gliosarcoma, detection-nuclease S1 3964.
 DNA, UV- irradiation damage, determination, HeLa cell/CHO-K1 cell 493.
 DNA, adaptive response-N-methyl-N'-nitro-N-nitrosoguanidine, *Escherichia coli* 2026.
 DNA, alkylation-induced, *Escherichia coli* K12, role-DNA polymerase I 3270.
 DNA, assay, human lymphocyte 3962.
 DNA, benzo(a)pyrene diol epoxide-induced damage, human alveolar tumour cell 6035.

Repair,(continued)

- DNA, benzo(a)pyrene/radiation(ionizing)-induced damage, mammalian cell 2036.
- DNA, 7-bromomethylbenz(a)anthracene-treated Chinese hamster cell, inhibition-caffeine 5112.
- DNA, N-butyl-N-(4-hydroxybutyl)nitrosamine induced damage, rat bladder epithelium 3955.
- DNA, capacity, effect of age, rat 4491.
- DNA, carcinogen-induced, HeLa cell 1027.
- DNA, Chinese hamster lung cell, effect of X irradiation 3576.
- DNA, correlation-diethylnitrosamine-induced carcinogenesis, rat 6029.
- DNA, defect, *Bacillus subtilis* 6024.
- DNA, defective, xeroderma pigmentosum, review 4098.
- DNA, N-diazoacetyl glycine amide damage, BALB/c cell 2761.
- DNA, effect of 4- nitroquinoline -1- oxide/ N- acetoxy 2- acetylaminofluorene/ N- methyl -N'- nitro N nitrosoguanidine/daunomycin, xeroderma pigmentosum cell culture 483.
- DNA, effect of adeturone, *Escherichia coli* 3952.
- DNA, effect of trans-cyclopropylbis(diketopiperazine) 5119.
- DNA, effect of freezing, *Escherichia coli* 1018.
- DNA, effect of hyperthermia, hamster 1022.
- DNA, effect of x-irradiation/hyperthermia, hamster plateau-phase cell 2394.
- DNA, effect of γ -irradiation/iodine-125, human kidney cell 6038.
- DNA, effect of γ irradiation/UV-irradiation, human, rheumatic disease 1596.
- DNA, effect of radioactivity, chronic rheumatism, human 2760.
- DNA, enzymology, review 3327.
- DNA, *Escherichia coli*, time course/role-oxygen 3574.
- DNA, *Escherichia coli* /phage λ , role-gene (lex) 6022.
- DNA, following X-irradiation/UV-irradiation, ataxia telangiectasia/xeroderma pigmentosum 3214.
- DNA, following UV-irradiation/ γ -irradiation, role-DNA polymerase III, *Escherichia coli* 6199.
- DNA, following methyl nitrosourea carcinogenesis, normal/precaerous/cancerous human cervix fibroblast 2762.
- DNA, *Hordeum*, N-methyl-N-nitrosourea-induced, stimulation-sodium azide 4502.
- DNA, human fibroblast, assay 3577.
- DNA, human Werner syndrome 1024.
- DNA, human xeroderma pigmentosum, relationship-UV-irradiation sensitivity 3959.
- DNA, inhibition-arsenic, UV-irradiation-treated *Escherichia coli* 2385.
- DNA, inhibition-isonicotinic acid hydrazide, CHO cell 6041.
- DNA, iodine-125 decay, *Escherichia coli* /phage T1/phage T4 5868.
- DNA, γ -irradiation, *Saccharomyces cerevisiae*, relationship-nuclear division 6025.
- DNA, UV-irradiation, *Salmonella typhimurium* /*Salmonella abony* 2756.
- DNA, irradiation (u.v.), *Micrococcus luteus*, role-endonuclease 3613.
- DNA, UV-irradiation/carcinogen-induced, during meiotic maturation, mouse oocyte 5113.
- DNA, irradiation-induced, effect of heterologous DNA, rat/mouse intestinal mucosa 6082.
- DNA, UV-irradiation-induced, human B-lymphocyte/T-lymphocyte 6034.
- DNA, UV-irradiation-induced, leukaemia (chronic lymphatic), human 2763.
- DNA, UV irradiation induced, *Petunia hybrida* 5122.
- DNA, UV-irradiation-induced, rat spleen lymphocyte, inhibition-X-irradiation 5115.
- DNA, UV-irradiation-induced, yeast, effect of caffeine 5107.
- DNA, X-irradiation-induced damage, effect of interferon, mouse 4494.
- DNA, X-irradiation-induced damage, rat brain normal/tumour 4495.
- DNA, γ -irradiation-induced damage, thymocyte 3208.
- DNA, X-irradiation/irradiation (neutron) damage, mouse embryo 5114.
- DNA, X-irradiation-repair mouse spermatid 2387.
- DNA, UV-irradiation-treated + tick-borne encephalitis virus-infected Hep-2 cell 3578.
- DNA, UVirradiation-treated *Bacillus subtilis*, gene (recA) mutant 2025.
- DNA, UV-irradiation-treated cell, during cell cycle 4501.
- DNA, UV-irradiation-treated Chinese hamster cell, enhancement UV-irradiation during G₂ phase/S phase 6043.
- DNA, liver, effect of carcinogen 6031.
- DNA, lymphocyte/tumour tissue, cancer patient, effect of irradiation therapy 6036.
- DNA, mechanism, xeroderma pigmentosum/ataxia telangiectasia, review 1233.
- DNA, mouse leukaemia lymphoblast, effect of X-irradiation sensitivity 1603.
- DNA, mouse spermatid, effect of X-irradiation + methyl methanesulphonate combined treatment 5110.
- DNA, normal/preneoplastic mammary gland tissue 2764.
- DNA, ozone-induced, *Escherichia coli* 5099.
- DNA, plasmid-borne, interaction-SOS repair, *Escherichia coli* 1014.
- DNA, psoralen/light treated *Escherichia coli*, kinetics/topography 5103.
- DNA, rat lens epithelium, induction-nitrogen mustard/4-nitroquinoline-1-oxide 6028.
- DNA, relationship-carcinogenesis 4672.
- DNA, relationship-carcinogenesis, review 5391.
- DNA, role-u.v. irradiation-induced protein, *Escherichia coli* 1586.
- DNA, role-UV-irradiation mutagenesis, *Escherichia coli* 2027.
- DNA, role-recombination 2383.
- DNA, *Saccharomyces cerevisiae*, effect on mitotic recombination/mutation 5191.
- DNA, *Saccharomyces cerevisiae* hydrazine-induced mutability 4489.
- DNA, spermatozoa, methyl methane sulphonate-treated rabbit 6030.
- DNA, SV40-transformed hamster kidney cell, effect of caffeine 5108.
- DNA, xeroderma pigmentosum, effect of N-acetoxy-2-acetylaminofluorene 4498.
- DNA, xeroderma pigmentosum, human 2759.
- DNA, xeroderma pigmentosum, review 2916.
- DNA alkylation damage, mammalian cell 2038.
- DNA double-stranded breakage, irradiation (ionizing), comparison-fungus/vertebrate cell line 6026.
- DNA polymerase I-mediated, UV-irradiation-induced single-stranded breakage, *Escherichia coli* DNA 4576.
- Ehrlich ascites cell, effect of freezing 1615.
- endonuclease, activity, reconstitution-gene (uvrA⁺)/gene (uvrB⁺)/gene (uvrC⁺) product, *Escherichia coli* 4560.
- Escherichia coli* DNA nitrous acid damage 1593.
- in vitro, phage T7 depurinated DNA 3204.
- in vivo, rat liver DNA, dimethylnitrosamine/diethylnitrosamine-induced damage 2393.
- irradiation (ionizing)-induced DNA damage, mechanism,

Repair,(continued)

- review 1253.
 γ -irradiation damage, *Vicia faba* DNA, effect of gibberellin 2044.
 UV-irradiation-damaged DNA, xeroderma pigmentosum 2035.
 UV-irradiation-induced, inhibition, reversal-DNA/chromosome structure change, following 4409.
 UV-irradiation-induced DNA breakage, Fanconi's anaemia 3215.
 γ -irradiation/N-methyl-N-nitrosourea-induced, rat hepatoma DNA 2042.
 kinetics, DNA, N-acetoxy-2-acetylaminofluorene/UV-irradiation-induced, human fibroblasts 1023.
 kinetics, irradiation (ionizing)-induced DNA single-stranded breakage, Chinese hamster cell/Ehrlich ascites cell 1608.
 mechanism, DNA, mammalian leucosis virus-infected human diploid cell 1614.
 methyl methanesulphonate-alkylated phage PM2 DNA, requirement-DNA N-glycosidase/apurinic site-specific endonuclease 1011.
 mouse DNA, effect of daunomycin/irradiation 2390.
 phage λ DNA, *Escherichia coli* gene (dnaB) mutant, effect of temperature shift 1584.
 cis-platinum(II)diammine chloride-induced DNA damage, human cell 6039.
 post replication, *Escherichia coli* gene(recF) mutant, role-gene(uvrB) 1016.
 post-replication, UV-irradiation, Chinese hamster cell 3209.
 post-replication, Yoshida lymphosarcoma cell, role-chromosome aberration 6045.
 postreplication, *Escherichia coli* K12 DNA, effect of caffeine/chloramphenicol 2024.
 psoralen (3-carbethoxy)-induced DNA damage, *Saccharomyces cerevisiae* 4407.
 pyrimidine dimer, radiation-sensitive *Saccharomyces cerevisiae* mutant 3206.
 replication, DNA, herpes simplex virus-infected human embryo lung cell 490.
Repair synthesis,
 X- irradiation-induced DNA polymerase III-directed, role-gene(dnaB), *Escherichia coli* 486.
 DNA, UV-irradiation-induced, distribution-human chromatin 4499.
 DNA, UV-irradiation-induced, toluene-treated *Escherichia coli*, role-DNA polymerase I 6197.
 DNA, UV-irradiation-induced, Werner's syndrome fibroblast 4496.
 DNA, mammalian cell-culture, effect of N-methyl-N-nitrosourea 1594.
Replicative form,
 DNA, phage G4, synthesis 2749.
 DNA, phage G4, synthesis, origin 2714.
Replicative intermediate,
 cytomegalovirus DNA 4442.
 phage T7 DNA, structure/maturation 5904.
 vesicular stomatitis virus, isolation/characterization, infected cell 3427.
Replicon,
 DNA, CHO cell, repeated nucleotide sequence organization 973.
 initiation inhibition, localization-DNA damaged region, CHO cell 470.
Repressor,
 phage, inactivation mechanism 3572.
 phage λ , amino acid sequence 3679.

Repressor (c2),

phage P22, purification/properties 1800.

Repressor(lac),

- m RNA, *Escherichia coli*, 5'- terminal sequence 259.
 binding-poly (A), circular dichroism 1860.
Escherichia coli, complex-non-operator DNA, electron microscopy 1801.
Escherichia coli, binding-DNA in vivo, measurement 627.
Escherichia coli, binding-non-operator DNA, association constant measurement 1805.
Escherichia coli, interaction-non-operator DNA/inducer, stoichiometry 1804.
 interaction-operator DNA, effect of magnesium ion/sodium ion 1807.
 non-specific binding DNA/poly(A) 3870.
Restriction endonuclease,
 analysis, *Agrobacterium tumefaciens* plasmid 4997.
 analysis, *Autographa californica* /*Trichoplusia ni* nuclear polyhedrosis virus DNA 5034.
 analysis, *Haemophilus influenzae* plasmid 5886.
 analysis, vaccinia virus DNA 5018.
 analysis, *Zea mays* mitochondrial DNA 3187.
 analysis-dexamethasone mammary tumour virus gene 5932.
 analysis-nuclear polyhedrosis virus DNA, use-virus identification 3615.
 Ava II, *Anabaena variabilis*, cleavage site 6158.
Bacillus amyloliquefaciens, purification/characterization 6157.
 BamHI/EcoRI, insolubilized, preparation/properties 3616.
 cleavage, use-adenovirus (simian) 7 DNA analysis 4440.
 cleavage, use-varicella zoster virus DNA analysis 435.
 cleavage BK virus, BK virus variant 5930.
 cleavage-Epstein-Barr virus DNA 4446.
 cleavage-human globin gene 5235.
 cleavage map, *Aspergillus nidulans* mitochondrial DNA 3174.
 cleavage map, herpes simplex virus 2 DNA 3912.
 cleavage map, *Staphylococcus aureus* plasmid pSN1 4427.
 cleavage map, transformed hamster cell mitochondrial DNA 3551.
 cleavage mapping, BK virus DNA 5925.
 cleavage mapping, cloned substituted SV40 DNA 5918.
 cleavage mapping, phage T7 early region DNA 5910.
 cleavage mapping-phage P4 DNA 5908.
 cleavage site, adenovirus (simian) 7 DNA 4542.
 cleavage site, repetitive DNA, African green monkey/calf nucleus, relationship-chromatin subunit 2493.
 cleavage site analysis, *Pseudomonas putida* plasmid DNA 5888.
 cleavage site introduction-methylation, single-stranded phage M13 DNA 5906.
 cleavage site mapping, phage λ DNA 1995.
 cleavage site mapping, Rous sarcoma virus genome RNA 3808.
 cleavage specificity, effect of manganese ion substitution 2818.
Diplococcus pneumoniae, cleavage-*Escherichia coli* DNA, Okazaki fragment terminal determination 2726.
Diplococcus pneumoniae, specificity, relationship-DNA methylation 1107.
 DNA degradation, antibody-mediated cytotoxicity, mouse/human 2425.
 DNA fragment, joining-phage T4 DNA ligase 5287.
 DNA site-specific, *Staphylococcus aureus*, isolation/characterization 6154.
 EcoRI/BamHI/HpaI, cleavage mapping-rat liver mitochondrial DNA 3554.

Restriction endonuclease,(continued)

Enterobacter cloacae , isolation/characterization 2087.

Escherichia coli B, recognition site, DNA nucleotide sequence 5944.

Escherichia coli B, recognition site DNA, phage ϕ XsB1/SV40 restriction 5900.

Escherichia coli K12, conformation, effect of ATP 6159, fractionation, method 6156.

fragment Hind-F Eco RI, SV40 DNA, nucleotide sequence 4444.

Haemophilus aegyptius , cleavage-phage ϕ X174 DNA duplex region 1698.

Hind G, fragment, SV40 DNA, nucleotide sequence 4447, mapping, *Agrobacterium tumefaciens* plasmid pTi-B6-806 DNA 4982.

mapping, DNA, review 1251.

mapping, phage λ DNA 2342, 2343.

mapping, plasmid RP1 5889.

mapping, SV40 DNA cleavage 388.

mapping-mouse mammary tumour virus linear/circular DNA 5917.

plasmid P15, mechanism-reaction 530.

purification-*Bacillus subtilis* G 1695.

purification/characterization, *Agrobacterium tumefaciens* 1696.

purification method 6155.

restriction endonuclease MspI, cleavage-*Haemophilus parainfluenzae* /*Haemophilus aphrophilus* methylated DNA 513.

review 4674.

Streptomyces albus , analysis-adenovirus (human) 6 DNA 2721.

target site distribution, phage ϕ 29/phage ϕ 15/phage M2/phage Nf DNA 1528.

Tha I, *thermoplasma acidophilum* , isolation/characterization 5232.

use-methylation pattern determination, *Xenopus laevis* rRNA gene 3177.

use-soluble chromatin preparation 599.

Restriction endonuclease Ball,

cleavage-vaccinia virus DNA 2073.

Restriction endonuclease BamHI,

cleavage-vaccinia virus DNA 2073.

recognition site, plasmid RP4 DNA 4563.

Restriction endonuclease BsuR,

use-phage T7 DNA promotor/terminator isolation 5836.

Restriction endonuclease EcoRI,

cleavage-*Bacillus subtilis* phage SPO1 DNA 6160.

cleavage-*Paramecium aurelia* mitochondrial DNA 5050.

cleavage site mapping, rat mitochondrial DNA 3181.

cleavage-vaccinia virus DNA 2073.

cloned DNA fragment, F factor, physical properties/function 4993.

effect on *Bacillus subtilis* transforming DNA 3617.

fragment, adenovirus (human) 2 DNA, mapping-restriction endonuclease HaeIII cleavage site 4449.

phage λ , transducing, DNA cleavage mapping 3522.

plasmid ColE1 mediated, *Escherichia coli* 5234.

restriction-plasmid Col E1 DNA, effect of 4,6'-diamidine-2-phenylindole 4562.

sequence recognition, role-guanosine (deoxy) amino group 2088.

substrate specificity, effect of glycerol 550.

use-gene recombination, plasmid DNA 1648.

use-rat mitochondrial DNA analysis 455.

Restriction endonuclease HaeIII,

adenovirus (human) 2 DNA cleavage site determination 4448.

cleavage site, mapping, adenovirus (human) 2 DNA

restriction endonuclease EcoRI fragment 4449.

fragment, comparison-phage ϕ X174/phage ϕ XtB/phage St-1 DNA 5003.

Restriction endonuclease Hgal,

Haemophilus gallinarum , recognition sequence 2449.

Restriction endonuclease Hind,

cleavage pattern-phage λ phage ϕ 80 hybrid DNA 1665.

Restriction endonuclease Hind-D,

fragment, SV40, nucleotide sequence 4441.

Restriction endonuclease Hind-K,

fragment, SV40, nucleotide sequence 5023.

Restriction endonuclease HindIII,

fragment, herpes simplex virus 1 DNA, amplification 5032.

Restriction endonuclease MboII,

use-*Drosophila melanogaster* satellite DNA analysis 1552.

Restriction endonuclease Sal I,

recognition site, plasmid RP4 DNA 4563.

Restriction endonuclease Sma I,

recognition site, plasmid RP4 DNA 4563.

Reticulocyte,

cell-free system, protein biosynthesis, inhibition-trichothecene 218.

chicken, globin transcription 1941.

mammal, α -globin/ β -globin mRNA content/regulation-globin biosynthesis 881.

membrane factor, cleavage-rRNA 28S 4246.

rabbit, globin mRNA, physical properties 3040.

rabbit, initiation factor, purification/characterization 2601.

rabbit, initiation factor IF-2, purification/characterization/function 225.

rabbit, protein biosynthesis initiation, inhibition-supernatant factor TDI 778.

rabbit, RNA-binding protein, elongation factor/initiation factor activity 4802.

rabbit, translation-globin mRNA, inhibition-guanosine(7-methyl) monophosphate 694.

ribosomal protein S13, purification 4236.

Retrovirus,

DNA sequence, occurrence-*Saimiri sciureus* /*Mephitis mephitis* /*Spilogale putorius* 4930.

RNA assay, use-reverse transcriptase 1384.

Reverse transcriptase,

activity, avian myeloblastosis virus, inhibition-nonprimer tRNA 6208.

activity, characterization, avian myeloblastosis virus 5272.

activity, detection, human ovary/prostate tumour 5269.

activity, effect of chronic Mason-Pfizer monkey virus infection, monkey cell culture 6005.

activity, inhibition- β -lapachone 4579.

activity, rabbit endometrium 5268.

assay, use-bovine leukaemia virus detection 2467.

assay-DNA/RNA spin label perturbation effect 6205.

avian myeloblastosis virus, characterization 2103.

avian myeloblastosis virus, in vitro synthesis-poly(A)-containing RNA transcript, phage MS2/phage Q β 1139.

avian myeloblastosis virus, template activity-poly (C), effect of-magnesium ion/manganese ion 1309.

avian myeloblastosis virus/Rauscher leukaemia virus, inhibition-anthracycline compound 6209.

avian myelocytomatosis virus MC29, activity 6207.

avian sarcoma virus, transcription-tRNA Trp + DNA

template + primer complex, DNA transcript size, effect of

temperature 6049.

C-type virus (rat), characterization 5270.

Reverse transcriptase,(continued)

containing particle. purification/characterization. chicken egg allantoic fluid 5274.
 encapsidation. role-RNA. murine leukaemia virus 867.
 fowl plague virus. comparison-influenza virus A 5255.
 influenza virus. characterization/effect of chelating agent 6187.
 inhibition-ansamycin. Moloney leukaemia virus 5271.
 inhibition-rifampicin. review 3315.
 isolation/characterization. Rauscher leukaemia virus-infected mouse cell line 6206.
 marker-oncornavirus/cytomegalovirus/SV40 transformation/contamination. in vitro 2847.
 Moloney leukaemia virus/simian sarcoma virus. binding-tRNA 4031.
 murine sarcoma virus. characterization 4581.
 occurrence-human. amniotic fluid 2102.
 oncornavirus (avian). associated unwinding activity 4582.
 oncornavirus. detection. HEp-2 cell 3913, 4437.
 oncornavirus. inhibition-antitumour agent. base specificity 6210.
Papio cyanocephalus endogenous virus. purification/characterization 1731.
 plasmacytoma MOPC/murine leukaemia virus. purification/characterization 4583.
 purification/characterization. chicken egg allantoic fluid 1142.
 purification/characterization. human spleen 2846.
 Rauscher leukaemia virus. biosynthesis 3631.
 Rauscher leukaemia virus. complex-Hodgkin's disease RNase 2101.
 Rauscher leukaemia virus. effect of geldanamycin/derivative 4580.
 Rauscher leukaemia virus. inhibitor synthesis 5273, 5278.
 RD-114 virus. characterization. relationship-mammalian C-type virus gene (pol) product 5276.
 review 5367.
 RNA-bound. *Neurospora crassa*. characterization 4030.
 role-centriole duplication 3329.
 Rous sarcoma virus. inhibition-isonicotinic acid hydrazide copper complex. mechanism 5275.
 Rous sarcoma virus. inhibition-thiosemicarbazone-metal complex 5277.
 Rous sarcoma virus. precursor polypeptide. translation 3487.
 Rous sarcoma virus/avian myeloblastosis virus. assay 1143.
 simian foamy virus. purification/properties 1141.
 transcription-RNA. oncornavirus (avian) 1140.
 use-globin gene DNA biosynthesis 3188.
 use-retravirus RNA assay 1384.
 use-synthesis DNA complementary-mitochondrial mRNA 2745.
Review.
 t RNA. content/role-RNA tumour virus 22.
 t RNA structure. relationship-biological activity 6.
 t RNA structure/function 3.
 5'-substituted pyrimidine nucleoside/pyrimidine nucleotide. reaction mechanism 4.
 adenine chemistry 1230.
 adenine distribution/metabolism 1231.
 adenosine deaminase/nucleoside phosphorylase deficiency. association-immunodeficiency 4668.
 amethopterin. cytotoxicity. mechanism 4104.
 amino acid sequence binding-nucleotide 1815.
 animal virus replication 5366.
 avian sarcoma virus. gene (src). role-transformation 3320.
Bacillus subtilis. DNA biosynthesis. initiation/regulation 4682.

bacteria recombination 2914.
 bacteria sporulation control. role-RNA polymerase 2506.
 bacterial DNA polymerase inhibitor 2504.
 bacterial ribosome structure 5371.
 benzimidazole derivatives effect on RNA biosynthesis 5365.
 bleomycin. effect on DNA 18.
 caffeine. biological activity 1813.
 chromatin 3319.
 chromatin properties 1252.
 chromatin structure 631, 3312, 3694, 4678, 5385.
 chromatin transcription 5388.
 chromosome protein gene expression *regulation*. normal/neoplastic cell 2921.
 codon-anticodon interaction. two out of three recognition method 2917.
 comparison-rRNA/nonhistone protein/chromatin. normal/leukaemia. human leukocyte 5392.
 cytoplasmic DNA 2508.
 cytoplasmic mRNA/RNA (heterogeneous nuclear)-containing ribonucleoprotein 2913.
 cytosine(5- fluoro) 2.
 defective DNA repair. xeroderma pigmentosum 4098.
 DNA. helix-coil transition 15.
 DNA. restriction endonuclease mapping 1251.
 DNA. single-stranded fragment 632.
 DNA antibody. role-systemic lupus erythematosus 1239.
 DNA biosynthesis. bacteria. effect of nitrofurantoin 4108.
 DNA biosynthesis defect. anaemia (megaloblastic) 10.
 DNA cloning method 1814.
 DNA effect of irradiation 3328.
 DNA interaction-acridine 9. 2149.
 DNA mutagenesis/repair. mechanism 5389.
 DNA photoreactivating enzyme 4111.
 DNA polymerase activity during cell cycle 3693.
 DNA polymerase/RNA polymerase. inhibition-distamycin A/netropsin 3318.
 DNA polymerase/RNA polymerase. inhibition-chromomycin/olivomycin/bleomycin 3322.
 DNA rearrangement. plasmid/phase 2515.
 DNA recombinant 5372.
 DNA recombination 1.
 DNA repair. relationship-carcinogenesis 5391.
 DNA repair enzymology 3327.
 DNA repair mechanism. xeroderma pigmentosum/ataxia telangiectasia 1233.
 DNA repair system. evolution 1812.
 DNA/RNA. bioorganic aspects. USSR research 1250.
 DNA/RNA. interaction-protein 4103.
 DNA/RNA. protein. photo-interaction 4676.
 DNA/RNA. use-chromatography (affinity) 4106.
 DNA/RNA biosynthesis/properties. *Hypotrichida* / *Chilodonella* / *Tetrahymena* 5390.
 DNA/RNA circulation. higher organisms 2516.
 DNA/RNA constituents. changes during pregnancy. placenta 4100.
 DNA/RNA interaction-bacteria 5394.
 DNA/RNA structure/function 4109.
 DNA sequence analysis. trypanosomiasis diagnosis 2920.
 DNA structure 1232.
Escherichia coli DNA insertion sequence. properties 3325.
Escherichia coli operator (lac) DNA. synthesis/cloning 1811.
 eukaryote DNA polymerase 5398.
 eukaryote DNA recombination mechanism 19.
 eukaryote genome organization 2507.
 eukaryote genome organization/expression 3691.
 eukaryote RNA polymerase 3321.
 evolution-DNA redundancy 1810.

Review.(continued)

- exogenous DNA fate plant cell 16.
 genome organisation 5374.
 GTP role-protein biosynthesis 4670.
 herpesvirus, structure/properties 11.
 histone gene regulation 5368
 histone H1 post-synthetic 4677.
 histone interaction/modification, role-chromatin structure 6252.
 human C-type virus gene transfer 21.
 immunoglobulin gene dynamics 4679.
 immunoglobulin light chain gene, mouse, structure/ expression 4675.
 influenza virus, RNA transcription 3326.
 initiation-eukaryote mRNA translation 1240.
 interferon activity, mechanism 2510.
 invertebrate eukaryote DNA polymerase properties 4105.
 irradiation-induced DNA strand breakage, eukaryote 1243.
 mammalian chromosome structure 5373.
 mammalian DNA polymerase 3687.
 mammalian DNA polymerase inhibitor 2512.
 mammalian nuclease 20.
 mammalian RNA polymerase inhibitor 2511.
 mutagenesis 3314.
 myeloma cell, immunoglobulin biosynthesis 4669.
Nocardia/Mycobacterium, ribosome, cross reacting antigen 3323.
 nonhistone protein, protein kinase substrate 5378.
 nucleotide (deoxyribo), relationship-DNA biosynthesis 4107.
 nucleotide (ribo) reduction, relationship-evolution 2505.
 nucleotide derivative, synthesis/properties 3696.
 oncornavirus (avian)/oncornavirus (mammalian) protein biosynthesis 4667.
 oncornavirus, oncogenesis, molecular biology 4666.
 oncornavirus DNA polymerase inhibitor 1234.
 oncornavirus RNA, transcription/translation 3690.
 oncornavirus RNA oligonucleotide fingerprinting 3686.
 oncornavirus structure 2518.
 palindrome-primed DNA replication 1246.
 papovavirus 5379.
 phage λ DNA replication 3697.
 phage λ integration/excision 3695.
 phage λ structure/assembly 3692.
 plasmid, use-gene cloning 3689.
 plasmid conjugation 3311.
 poliovirus mRNA, structure/properties 1245.
 polyamine, effect on RNase/RNA stability 14.
 polyribosome-membrane interaction, protein biosynthesis 5393.
 protein, DNA/RNA sequence recognition 1249.
 protein biosynthesis, chloroplast 7.
 protein biosynthesis, prokaryote 5381.
 protein biosynthesis, role-polyamine 3698.
 protein biosynthesis initiation, elongation, termination 1247.
 protein biosynthesis review 3688.
 proteinase/function, nuclease/structure 5.
 provirus, formation/integration/rescue during transformation 1238.
 pyrimidine analogue, therapy-herpes simplex virus encephalitis 1271.
 R factor conjugation, mechanism 3330.
 R factor conjugation/replication 3316.
 R factor DNA structure/review 3324.
 R factor genetic analysis 3331.
 recombinant DNA 2912, 5376, 5386, 5387.
 recombinant DNA, hazards 1242.
 recombinant DNA, uses/hazards 5396.
 regulation-gene expression, eukaryote 2514.
 repair deficiency, human, association-cancer 2918.
 restriction endonuclease 4674.
 reverse transcriptase 5367.
 ribonucleoside diphosphate reductase characterization, rat Novikoff hepatoma 4673.
 ribosome genetics 2513.
 ribosome structure/function 3310.
 rifampicin, inhibition-RNA polymerase/reverse transcriptase 3315.
 mRNA, regulation-human placental lactogen biosynthesis 4099.
 tRNA, structure/function 4102.
 RNA biosynthesis, rabbit cerebral cortex 5380.
 mRNA biosynthesis/processing/regulation, eukaryote 4681.
 mRNA/chromatin, structure/function 1241.
 RNA/DNA metabolism, embryo/foetus 4110.
 RNA metabolism, effect of antitumour agent 2517.
 RNA metabolism regulation-plant hormone 12.
 RNA polymerase, role-prokaryote gene selection 1236.
 RNA polymerase/poly(A) polymerase, tumour cell/tissue 5384.
 RNA polymerase specificity/function 4097.
 RNA/protein biosynthesis, brain, learning 5375.
 RNA role-host-parasite specificity 2910.
 RNA structure 8, 13.
 tRNA structure, role-protein biosynthesis 3317.
 tRNA structure/function 3313.
 mRNA translation 4101.
 RNA transport 1244.
 rRNA 45S sequence arrangement 4671.
 RNase role-fungus differentiation 2509.
 satellite DNA 2919.
 single-stranded RNA-containing virus, structure/function 4680.
 sister chromatid exchange 5377.
 spin-labelling-DNA/RNA/tRNA 1237.
 SV40/adenovirus (human) 2 m RNA biosynthesis, hypothesis 17.
 thymidylate synthetase 1248.
 thymidylate synthetase role-cancer chemotherapy 1235.
 translation 5382.
 tRNA structure, use-thionucleoside 630.
 vesicular stomatitis virus, defective-interfering particle, genome structure/biological properties 2915.
 xeroderma pigmentosum, DNA repair 2916.
Rhesus monkey,
 foetus, cerebrum, polyribosome disaggregation, induction-asphyxia 3407.
Rheumatoid arthritis,
 pleural fluid, detection-deoxyribonucleoprotein complex 3286.
 serum DNA content 360.
Rhinovirus (human) 4,
 double-stranded, fungal, effects on human rhinovirus infection 222.
Rhinovirus (human) 14,
 RNA biosynthesis, effect of cordycepin triphosphate, in vitro 2650.
Rhizobium,
 DNA, transformation-*Azotobacter vinelandii* nitrogen fixation-defective mutant 5186.
 DNA base sequence homology 957.
Rhizobium leguminosarum,
 tRNA-associated cytokinin 74.
Rhizobium meliloti,
 polynucleotide phosphorylase, level/properties 1153.

- Rhizobium trifolii**, chromosome, DNA replication 986.
- Rhizopus stolonifer**, RNA/DNA biosynthesis during spore germination 3823.
- sporangiospore, germination, poly(A)-containing RNA biosynthesis 2276.
- Rhodococcus**, DNA base composition/homology, relationship-taxonomy 3544.
- Rhodopseudomonas sphaeroides**, isoaccepting tRNA Phe, level during chemoheterotrophic-photoheterotrophic growth transition 3375.
- tRNA Phe, isoaccepting species, interrelationships 3753.
- Rhodotorula minuta**, DNA, isolation/characterization 4945.
- Rhynchosciara americana**, chromosome puff DNA, coding-salivary gland secretion polypeptide 3992.
- Rhynchosciara hollanderi**, chromosome, rRNA gene localization, silver banding 6296.
- Ribavirin**, activation-adenosine kinase, human cell line 5279.
- C-analogues, synthesis 92.
- antiviral activity 5500.
- antiviral activity, herpes simplex virus 1 resistance 5515.
- antiviral activity, influenza virus A 5496.
- effect on herpes simplex virus 2, infection 5495.
- effect on mouse hepatitis virus/herpesvirus (equine) 1 hepatitis, mouse/hamster cell 3963.
- effect on rabbit skin hypersensitivity 5494.
- inhibition-DNA biosynthesis/RNA biosynthesis/protein biosynthesis, eukaryote cell 3963.
- inhibition-DNA/RNA/protein biosynthesis, chick embryo fibroblast 6068.
- inhibition measles virus replication, Vero cell 473.
- treatment-hepatitis, human 5499.
- treatment-influenza, human 5498.
- treatment-influenza virus infection, squirrel monkey 5497.
- Ribonucleoprotein**, accumulation, rat liver cell, effect of camptothecin 1175.
- antibody, penetration-human mononuclear leucocyte, role Fc receptor 2481.
- antibody, vesicular stomatitis virus, inhibition-transcription 2870.
- avian infectious bronchitis virus, identification 2482.
- comparison-rabies virus strains, radioimmunoassay 1173.
- complex, formation, influenza virus 5298.
- complex, RNA (heterogeneous nuclear)-containing, characterization, rat liver 3649.
- cytoplasmic mRNA/RNA (heterogeneous nuclear)-containing, review 2913.
- formation/characterization, urea-treated poliovirus 1 2869.
- HeLa cell, phosphoprotein phosphatase, characterization 2873.
- influenza virus A, physical properties 4049.
- isolation/characterization, *Dictyostelium discoideum* 1174.
- Larix europaea*, electron microscopy 6237.
- messenger, characterization, sea urchin egg 4602.
- messenger, rabbit reticulocyte cytoplasm, isolation/characterization 4603.
- messenger, template activity, sea urchin egg 4365.
- native, secondary structure-RNA(heterogeneous nuclear) 1176.
- Nocardia asteroides*, cell-mediated immunity, guinea pig 1802.
- nuclear, mouse liver, enzyme activity 2484.
- nuclear, rat liver, effect of galactosamine/actinomycin D 596.
- nuclear, rat liver, mRNA precursor, structure 3819.
- nucleolar distribution, effect of adriamycin/actinomycin D, Novikoff hepatoma 4051.
- occurrence, kinetochore, mouse/*Allium cepa*/grasshopper 6236.
- particle, rat brain/liver, characterization 2872.
- particle characterization, *Escherichia coli* ribosomal subunit 50S 1358.
- phosphorylation, HeLa cell 4604.
- protein-deficient, X-ray scattering, *Escherichia coli* ribosomal subunit 30S 758.
- rat liver, isolation/characterization 2871.
- rat liver/hepatoma, protein composition, effect of 3'-methyl-4-dimethylaminoazobenzene 5300.
- RNA (heterogeneous nuclear)-containing, HeLa cell, occurrence-low-molecular weight RNA 4811.
- RNA(heterogeneous nuclear)-containing, isolation, rat liver/Zajdela hepatoma 3287.
- RNA 20S containing, *Saccharomyces cerevisiae*, purification 3648.
- Stylonychia mytilus* nucleus 5299.
- Ribonucleoprotein (messenger)**, free, presence-polyribosome poly (A)-binding protein 1799.
- isolation-HeLa cell polyribosome, chromatography (affinity) 767.
- poly (A)-associated protein, characterization, rabbit reticulocyte 2122.
- Secale cereale*, sedimentation properties 591.
- separation, *Acheta domesticus* accessory gland/chick embryo tissue, use-streptomycin 595.
- Ribonucleoside-diphosphate reductase**, activity, effect of hydroxyurea, octanol/water solvent 1745.
- activity, inhibition- α -(N)-heterocyclic carboxyaldehyde thiosemicarbazone, mechanism 5291.
- activity, mammalian cell, effect of methotrexate/uridine (5-fluorodeoxy) 1746.
- activity, relationship-mitochondrial DNA biosynthesis, during regeneration, rat liver 1040.
- assay 4040.
- assay, nucleotide-permeable CHO cell 3280.
- assay, Vicia faba 2117.
- characterization, rat Novikoff hepatoma, review 4673.
- Escherichia coli*, identification-allosteric effector sites 1168.
- Escherichia coli*, phage T4-induced, effect of hydroxyurea 6228.
- inhibition-dinucleoside polyphosphate, CHO cell 2190.
- purification/assay, *Escherichia coli* 1167.
- Synechococcus*, distribution 3638.
- Ribonucleoside-triphosphate reductase**, effect of tubercidin (2'-deoxy)/toyocamycin (2'-deoxy)/formycin (2'-deoxy) triphosphate 4595.
- Escherichia coli*, phage T4-induced, effect of hydroxyurea 6228.
- Lactobacillus leichmannii*, regulation/properties 4596.
- Ribonucleotide polymerase**, characterization/role, *Histoplasma capsulatum* 1128.
- Ribosomal protein**, analysis, HeLa cell 3397.
- analysis, *Saccharomyces carlsbergensis* 3774.
- association-r-RNA, *Escherichia coli* ribosome 3769.
- binding site, *Escherichia coli* rRNA 16S, conformation/stability 4291.
- binding site, rRNA 16S, prokaryote 4293.
- biosynthesis, effect on rRNA transcription, *Saccharomyces*

Ribosomal protein,(continued)

- cerevisiae 4890.
- biosynthesis, relationship-rRNA biosynthesis, *vicia faba* embryo during germination 5080.
- biosynthesis/degradation, HeLa cell, effect of rRNA biosynthesis 753.
- characterization, SV40 transformed GMK cell/SV40/adenovirus (human) 5/vesicular stomatitis virus infected CV-1 cell 4226.
- Chlamydomonas reinhardtii* streptomycin-resistant/dependent mutant chloroplast, characterization 3395.
- chloroplast, *Nicotiana tabacum*, streptomycin-resistant mutant 4787.
- conformation, *Escherichia coli* /*Halobacterium cutirubrum*, CD 4231.
- Escherichia coli*, binding-tRNA 1376.
- Escherichia coli*, cross-linking-RNA, nitrogen mustard/bromo-ketone reagent, use-topography study 3770.
- Escherichia coli*, isolation-acrylamide gel 3782.
- Escherichia coli*, purification method, comparison, NMR 3773.
- Escherichia coli* /*Bacillus stearothermophilus*, binding site, *Bacillus stearothermophilus* RNA 5S 5704.
- Euglena*, biosynthesis/characterization 3399.
- Euglena gracilis*, radioactive labelling 1908.
- exchange, *Escherichia coli* ribosome 3011.
- gene, *Bacillus subtilis*, mapping 5945.
- gene, *Bacillus subtilis*, role-sporulation regulation 6121.
- gene, carrying, *Escherichia coli* DNA, insertion-vector phase 2062.
- gene, *Chlamydomonas reinhardtii* chloroplast, localization 4456.
- gene, *Escherichia coli*, expression-vector phage clone, promoter identification 2000.
- gene, *Escherichia coli*, in vitro transcription, stringent regulation 1438.
- gene, *Escherichia coli*, mapping 4451.
- gene, mapping, *Escherichia coli*, use-phage λ fus3 DNA 2001.
- gene, organization, *Escherichia coli* 1999.
- gene, phage λ fus2-carrying, organization/identification, *Escherichia coli* 1998.
- identification, *Escherichia coli* initiation factor IF-1 binding site-ribosomal subunit 30S 2598.
- identification, mRNA binding site, *Escherichia coli* ribosomal subunit 30S, use-2-methoxy-5-nitrotrone inactivation 3012.
- irradiation-induced cross-linking-rRNA, *Escherichia coli* 2590.
- liver, phosphorylation, stimulation-thioacetamide 5620.
- location, *Escherichia coli* ribosomal subunit 30S, mapping, neutron scattering study 4779.
- methylated, identification, HeLa cell 4237.
- methylation, HeLa cell 1370.
- mitochondrial, electrophoresis, *Saccharomyces cerevisiae* 204.
- mRNA, biosynthesis/stability, *Escherichia coli*, effect of growth rate 852.
- pea seed, pH acidic 3398.
- phosphorylation, effect of salt, rat liver 2227.
- phosphorylation, rat cerebral cortex, effect of AMP (cyclic) 4793.
- Podospora anserina*, translation control 4244.
- rat liver/cattle mitochondria, evolutionary studies 3024.
- mRNA, biosynthesis during nutritional shift-up, *Escherichia coli* K 12 3084.
- mRNA, characterization, Ehrlich ascites cell 4305.
- Saccharomyces cerevisiae*, antigen relationship-*Escherichia coli* ribosomal protein 30S 3392.
- Saccharomyces cerevisiae*, biosynthesis/turnover 1905.
- Saccharomyces cerevisiae*, characterization, electrophoresis 4785.
- Saccharomyces cerevisiae*, nonsense suppression, characterization 2586.
- Schizosaccharomyces pombe* cycloheximide-resistant, characterization 1901.
- sea urchin, histone separation, electrophoresis 6249.
- secondary structure, *Escherichia coli*, ribosomal subunit (30S) 201.
- structure, NMR, *Escherichia coli* 757.
- Tetrahymena pyriformis*, effect of protein starvation 202.
- Tetrahymena pyriformis*, phosphorylation 2225.
- topography, free/membrane-bound ribosome, rat liver 1364.
- transcription unit, yeast 1078.
- vaccine, *Salmonella typhimurium*, immunity induction, mouse 5781.
- Ribosomal protein L1,**
- Escherichia coli*, binding-*Bacillus stearothermophilus* rRNA 23S, nucleotide sequence 5705.
- Ribosomal protein L5,**
- binding-*Escherichia coli* rRNA 5S, effect on conformation stability 5613.
- Escherichia coli*, interaction-RNA 5S 5609.
- Escherichia coli*, secondary structure prediction 1359.
- Ribosomal protein L6,**
- Escherichia coli*, amino acid sequence 1101.
- Escherichia coli*, secondary structure prediction 5616.
- structure, gentamicin resistant mutant, *Escherichia coli* K 12 2214.
- Ribosomal protein L7,**
- quaternary structure 756.
- Ribosomal protein L7/L12,**
- amino acid sequence, *Saccharomyces cerevisiae*, comparison-*Artemia salina* 764.
- Escherichia coli*, isolation/crystallization 3772.
- Escherichia coli*, role-GTPase activity 6213.
- Escherichia coli*, secondary structure prediction 1359.
- structure, rat liver, comparison-*Artemia salina* /*Escherichia coli* 3396.
- Ribosomal protein L8,**
- complex-ribosomal protein L13, *Bacillus stearothermophilus*, characterization 5615.
- Ribosomal protein L10,**
- Escherichia coli*, secondary structure prediction 1359.
- Escherichia coli* MRE 600, amino acid sequence 5610.
- in vitro synthesis, *Escherichia coli* mRNA 2589.
- Ribosomal protein L11,**
- Escherichia coli*, primary structure 1356.
- Escherichia coli*, requirement-peptide chain termination 3787.
- Escherichia coli*, X-ray diffraction 4783.
- Ribosomal protein L12,**
- in vitro synthesis, *Escherichia coli* mRNA 2589.
- topography, *Escherichia coli* 2215.
- Ribosomal protein L13,**
- complex-ribosomal protein L8, *Bacillus stearothermophilus*, characterization 5615.
- Ribosomal protein L14,**
- Escherichia coli*, amino acid sequence 5607.
- Ribosomal protein L15,**
- association-ribosome-erythromycin binding, *Escherichia coli* 2593.
- Escherichia coli*, primary structure 1355.

Ribosomal protein L16,

affect on *Escherichia coli* ribosomal protein L16-deficient ribosome conformation 5606.
association-ribosome-erythromycin binding, *Escherichia coli* 2593.

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein L18,

binding-*Escherichia coli* rRNA 5S, effect on conformation stability 5613.

Escherichia coli, interaction-RNA 5S 5609.

Escherichia coli, secondary structure prediction 1359.

fragment, *Escherichia coli*, RNA 5S binding site-containing, characterization 5608.

Ribosomal protein L19,

Escherichia coli, primary structure 1895.

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein L21,

electrophoresis properties, *Podospora anserina* cycloheximide resistant mutant 1362.

Ribosomal protein L25,

binding-*Escherichia coli* rRNA 5S, effect on conformation stability 5613.

Escherichia coli, secondary structure prediction 1359.

Ribosomal protein L27,

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein L28,

Escherichia coli, primary structure 1354.

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein L29,

Escherichia coli, secondary structure prediction 1359.

Ribosomal protein L3,

amino acid sequence 3010.

Ribosomal protein L30,

Escherichia coli, secondary structure prediction 5616.

Saccharomyces cerevisiae, role-recessive suppression 4791.

Ribosomal protein L31,

Escherichia coli, primary structure 1894.

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein L32,

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein L33,

Escherichia coli, secondary structure prediction 5616.

Podospora anserina, quantitative variation during growth 3391.

Ribosomal protein L34,

Escherichia coli, secondary structure prediction 5616.

Ribosomal protein S1,

biosynthesis, *Escherichia coli*, association-elongation factor

Tu elongation factor Ts elongation factor G 3413.

complex formation-oligonucleotide/polynucleotide 1310.

complex-ribosomal subunit 30S, *Escherichia coli*, X-ray

scattering/neutron scattering 4229.

distribution-ribosomal protein S1 760.

Escherichia coli, characterization-polynucleotide binding site 1357.

Escherichia coli, hydrodynamic properties 1353.

Escherichia coli, photo-crosslinking-poly (U), specificity 4780.

Escherichia coli, recognition site, phage Q β RNA 772.

interaction-rRNA 23S, *Escherichia coli* 1903.

role-poly(U) directed polyphenylalanine biosynthesis 3402.

role-tRNA binding-*Escherichia coli* ribosomal subunit 30S 5642.

Ribosomal protein S3,

Escherichia coli, small-angle X-ray scattering 3013.

Ribosomal protein S4,

binding region *Escherichia coli* rRNA 16S characterization

1407.

binding site, *Escherichia coli* rRNA 16S, structure/properties 4292.

comparison-rRNA 16S structure 1926.

complex-rRNA 16S, structure, electron microscopy 2121.

conformation, *Escherichia coli* circular dichroism/NMR/IR- spectroscopy 200.

Escherichia coli, binding site-RNA 16S, electron microscopy 3053.

Escherichia coli, small-angle X-ray scattering 3013.

localization-binding site, RNA 16S, *Escherichia coli* 761.

Ribosomal protein S6,

Escherichia coli, amino acid sequence 199.

interaction-ribosomal protein S18, *Escherichia coli* 5618.

phosphorylation, effect of ethionine, rat liver 766.

phosphorylation, Ehrlich ascites cell, mengovirus infection 4248.

Ribosomal protein S7,

Escherichia coli, small-angle X-ray scattering 3013.

Ribosomal protein S8,

Escherichia coli, binding site-RNA 16S, electron microscopy 3053.

Escherichia coli mutant, characterisation, electrophoresis 1898.

isolation- rRNA 16S binding site 196.

Ribosomal protein S9,

Escherichia coli, sequence determination 1897.

Ribosomal protein S11,

Escherichia coli, N-terminus isopeptide linkage 763.

role-tRNA binding-*Escherichia coli* ribosomal subunit 30S 5642.

Ribosomal protein S13,

reticulocyte, purification 4236.

Ribosomal protein S15,

Escherichia coli, structure 4782.

Ribosomal protein S16,

amino acid sequence, *Escherichia coli* 198.

Ribosomal protein S16/S17,

binding site, *Escherichia coli* rRNA 16S, structure/properties 4292.

Ribosomal protein S17,

primary structure, *Escherichia coli* 3393.

Ribosomal protein S18,

Escherichia coli, structure 4782.

interaction-ribosomal protein S6, *Escherichia coli* 5618.

Ribosomal protein S19,

Escherichia coli, amino acid sequence 2584.

Ribosomal protein S2,

localization, rat liver ribosome 2217.

Ribosomal protein S20,

binding site, *Escherichia coli* rRNA 16S, structure/properties 4292.

Escherichia coli, small-angle X-ray scattering 3013.

in vitro biosynthesis 769.

localization-binding site, RNA 16S, *Escherichia coli* 761.

Ribosomal protein S21,

role-tRNA binding-*Escherichia coli* ribosomal subunit 30S 5642.

Ribosomal protein 30S,

Escherichia coli, antigen relationship-*Saccharomyces cerevisiae* ribosomal protein 3392.

Ribosomal protein 50S,

Escherichia coli, function 773.

gene, containing, *Escherichia coli* chromosome.

transcription pattern 1939.

Ribosomal subunit,

analysis, *Escherichia coli* erythromycin-resistant mutant

Ribosomal subunit,(continued)

2583.
assembly, yeast 3017.
association, *Escherichia coli*, effect of magnesium ion 1368.
association/dissociation, *Escherichia coli* /*Mycobacterium smegmatis*, effect of viomycin 5627.
binding-³²P RNA fMet, rat prostate gland 551.
isolation, centrifugation 4786.
precursor, *Bacillus megaterium*, effect of detergent 2591.
ratio, plasmacytoma cell line, growth dependence 3785.
- Ribosomal subunit 30S,**
activity during *Bacillus subtilis* sporulation 215.
assembly in vitro, RNA 16S conformation during 1934.
binding-³²P RNA(phenylalanyl), UV- irradiation-induced, *Escherichia coli* 221.
binding-*Escherichia coli* initiation factor IF-1, effect of initiation complex component/identification-binding site ribosomal protein 2598.
binding- + RNA(pheynyl), effect of centrifugation 1909.
complex-ribosomal protein S1, *Escherichia coli*, X-ray scattering/neutron scattering 4229.
deuterated, *Escherichia coli*, small angle neutron scattering 1896.
Escherichia coli, binding-initiation factor IF-3 2237.
Escherichia coli, binding-tRNA, role-ribosomal protein S1/S11/S21 5642.
Escherichia coli, identification-mRNA binding site ribosomal protein, use-2-methoxy-5-nitro tropone inactivation 3012.
Escherichia coli, in vivo reassembly following thermal shock destruction 771.
Escherichia coli, inactivation-maleic anhydride, identification-poly (U) binding protein 762.
Escherichia coli, mapping-ribosomal protein location, neutron scattering study 4779.
Escherichia coli, protein arrangement, immunoelectron microscopy 5612.
Escherichia coli, protein-deficient ribonucleoprotein, X-ray scattering 758.
Escherichia coli, protein/RNA distribution 3014.
Escherichia coli, ribosomal protein, secondary structure 201.
Escherichia coli, RNA cross-linking region, analysis 4781.
Escherichia coli, rRNA 16S, nonanucleotide sequence 3446.
Escherichia coli, rRNA 16S topography 5706.
Escherichia coli, rRNA 16S, cleavage-colicin E3 2074.
Escherichia coli, RNA 4S core, occurrence/characterization 5655.
Escherichia coli, RNase treatment, rRNA release 3009.
Escherichia coli, rotational diffusion 4227.
reconstitution/function, effect of *Escherichia coli* <'r RNA 16S cytosine modification 209.
- Ribosomal subunit 40S,**
initiation complex formation-tRNA fMet, rabbit reticulocyte, binding factor activity 3411.
localization-initiation factor IF-3 3015.
rat liver, structure, electron microscopy 5621.
translation initiation 2204.
- Ribosomal subunit 48S,**
preinitiation complex, identification 221.
- Ribosomal subunit 50S,**
caesium chloride core, role-colicin E3 activity 2224.
deuterated, *Escherichia coli*, small-angle neutron scattering 1896.
Escherichia coli, assembly in vitro, protein requirement 1369.
Escherichia coli, in vitro reconstitution 5625.
Escherichia coli, interaction-puromycin analogue 5446.
Escherichia coli, rRNA, structure, effect of UV-irradiation 5669.
Escherichia coli, RNA 23S accessible region, nucleotide sequence 2622.
Escherichia coli, rotational diffusion 4227.
Escherichia coli, thermolability 3779.
Escherichia coli MRE 600, interaction-tRNA 2595.
ribonucleoprotein particle, characterization, *Escherichia coli* 1358.
- Ribosomal subunit 60S,**
eukaryote, binding-narciclasine 4245.
HeLa cell, acidic phosphoprotein, comparison-rat 755.
HeLa cell, protein(acidic) analysis 768.
- Ribosome,**
accumulation, effect of 3-methylcholanthrene, mouse skin hyperplasia 2220.
activity, protein biosynthesis cell-free system, SV40-transformed 3T3 cell 1351.
activity, rat liver protein biosynthesis, effect of dimethylnitrosamine/ethionine 2206.
activity, *Tetrahymena pyriformis*, effect of acetone treatment 3022.
activity/structure, effect of succinic acid/maleic acid/acetic acid, *Escherichia coli* 2223.
aggregate, organization, microscopy 4054.
Artemia salina, inactivation-pokeweed antiviral protein 4792.
Artemia salina, RNA/protein content 5619.
associated, GDP kinase activity 1144.
associated enzyme, *Escherichia coli*, degradation-guanosine tetraphosphate 3261.
autoantibody, solid-phase radio-immunoassay/incidence-systemic lupus erythematosus, man 588.
Bacillus stearothermophilus, translation specificity 2222.
Bacillus subtilis, binding-aurintricarboxylic acid dimer 1361.
bacterial, degradation-RNase I 3781.
bacterial, structure, review 5371.
binding-*Candida albicans* membrane 5635.
binding-elongation factor EF-1 during protein biosynthesis, Ehrlich ascites cell 779.
binding-endoplasmic reticulum, rat liver 3783.
binding-erythromycin, association-ribosomal protein L16/ribosomal protein L15, *Escherichia coli* 2593.
binding-microsome membrane, rat liver, inhibition-aurintricarboxylic acid 5637.
binding-tRNA (aminoacyl), effect of 7,12-dimethylbenz(a)anthracene, rat liver 1377.
binding-tRNA (aminoacyl), inhibition- α -sarcosine 1910.
binding-RNA, phage Q β , effect of coat cistron initiator region site-directed mutation 2255.
binding site, phage T7 DNA, electron microscopy 5011.
binding site, phage T7 gene(0-3) mRNA, mapping 796.
binding-tRNA (aminoacyl), role-elongation factor Tu/elongation factor EF-1 1378.
biosynthesis, *Drosophila* 211.
biosynthesis, *Nicotiana glauca*, during leucoplast-chloroplast transformation 213.
biosynthesis during *Saccharomyces cerevisiae* life-span 1904.
changes during sporulation, *Bacillus subtilis*, chromatography (affinity) analysis 3778.
complex-tRNA Met, accumulation, cell-free system 4249.
conformation, effect of streptomycin/viomycin, *Escherichia coli* 5632.
conformation, *Escherichia coli*, effect of sodium bisulphite 1360.
contamination-rat liver nucleus, during purification 217.
content, *Mycococcus*, relationship-growth phase 5630.
content/activity, mouse mammary gland explant, regulation-insulin/prolactin/hydrocortisone 3025.

Ribosome,(continued)

- cross reacting antigen, *Nocardia /Mycobacterium*, review 3323.
- crystallization-hypothermia, chicken bone marrow 212.
- cytoplasmic, Ehrlich ascites cell, association-poly (A) polymerase/poly (U) polymerase 3366.
- Ehrlich ascites cell, poly (A) polymerase/poly (U) polymerase activity 2982.
- elongation factor G + GDP complex, turnover, effect of cation/antibiotic 1375.
- elongation factor/initiation factor, isolation, use heparin 3008.
- Escherichia coli*, r-RNA, association-ribosomal protein 3769.
- Escherichia coli*, affinity labelling-heptaurydic acid derivative 4230.
- Escherichia coli*, binding-chloramphenicol, inhibition-dinucleoside (aminoacyl) phosphate 3403.
- Escherichia coli*, binding-phage λ DNA, localization 2710.
- Escherichia coli*, binding-poly (U), rotational diffusion 4228.
- Escherichia coli*, binding-tuberactinomycin O 5633.
- Escherichia coli*, binding virginiamycin S 5631.
- Escherichia coli*, characterization-binding site, phage λ ribosome 795.
- Escherichia coli*, interaction-neomycin 4241.
- Escherichia coli*, interaction-tetracycline 214.
- Escherichia coli*, localization-mRNA binding site 2585.
- Escherichia coli*, localization-tRNA binding region 4796.
- Escherichia coli*, peptidyl transferase centre, substrate specificity 3780.
- Escherichia coli*, photochemical cross-linking-tRNA (acetylvalyl) 5641.
- Escherichia coli*, photoinduced affinity labelling-puromycin 5629.
- Escherichia coli*, protein/RNA distribution 3014.
- Escherichia coli*, relaxation kinetics 1900.
- Escherichia coli*, ribosomal protein exchange 3011.
- Escherichia coli*, ribosomal protein L16-deficient, conformation, effect of ribosomal protein L16 5606.
- Escherichia coli*, role-phage T4 deoxynucleotide kinase mRNA stabilization 4243.
- Escherichia coli*, role-phage T7 early mRNA stability 4349.
- Escherichia coli*, rotational diffusion 4227.
- Escherichia coli*, sedimentation analysis 1899.
- Escherichia coli*, stringent factor assay 5626.
- Escherichia coli*, structure/function, review 23.
- Escherichia coli*, translocation, mechanism 4800.
- Escherichia coli* MRE-600, reaction-dithioglycolic acid diazide 1907.
- Escherichia coli* mutant, binding-chloramphenicol/tRNA (aminoacyl) fragment 4250.
- Escherichia coli* mutant (rel), translation, poly (U) 2592.
- Escherichia coli* mutant (spoT), guanosine pentaphosphate synthesis 3021.
- Escherichia coli*/wheat, RNA/protein distribution/packaging 759.
- free, activation during growth induction, human lymphocyte 3018.
- free, incorporation-thyroglobulin synthesizing polyribosome, effect of thyrotropin/AMP (dibutyl cyclic) 5639.
- function, inhibition-fusarenon-X, eukaryote 3401.
- GDP + elongation factor G complex, decay 1374.
- genetics, review 2513.
- Geotrichum candidum*, structure, electron microscopy 4233.
- guanosine tetraphosphate/guanosine pentaphosphate biosynthesis, effect of poly (U) fragment, *Escherichia coli* 1373.
- HeLa cell, association-Semliki Forest virus capsid protein 1228.
- Hevea brasiliensis*, characterization 3777.
- immunoprotective antigen, *Haemophilus influenzae*, characterization 3020.
- interaction- m RNA, role- m RNA stability 243.
- interaction-mitochondrial membrane, *Saccharomyces cerevisiae*, effect of mitochondrial DNA mutation 5634.
- interaction-streptomycin, effect on messenger misreading 3400.
- isolation, cotton seed 4788.
- Lacerta sicula*, packing, electron microscopy 205.
- localization, collagen biosynthesis, rat lung 4235.
- mammalian, occurrence- γ -carboxyglutamic acid 3776.
- maturation, *Escherichia coli* 770.
- membrane-bound, *Dictyostelium discoideum*, rRNA, isolation/characterization 4818.
- membrane-bound, rat brain, protein biosynthesis, effect of ethanol 3390.
- membrane-bound, *Saccharomyces*, protein biosynthesis 4777.
- mitochondrial, *Didinium nasutum*, characterization 4784.
- mitochondrial/cytoplasmic, characterization, mammal 1366.
- mouse egg, characterization 1365.
- Neisseria gonorrhoeae*, mitogenicity, spleen lymphocyte, mouse 4242.
- Neurospora crassa*, association/dissociation 2218.
- Neurospora crassa*, effect of temperature 4790.
- polymerization, effect of 2-chloroethylphosphonic acid, *Hevea brasiliensis* 2298.
- precursor, protein characterization, mouse leukaemia 4238.
- rat hippocampus, effect of amino acid, electron microscopy 3016.
- rat liver, effect of protein deficiency 216.
- rat liver, localization-proteinase activity 2587.
- rat liver, localization ribosomal protein S2 2217.
- rat liver cell-free system, amino acid incorporation 4801.
- rat/mouse liver, attachment-membrane, characterization 5622.
- rat stomach mucosa, protein biosynthesis, effect of starvation/pentagastrin, cell-free system 2226.
- recognition sites, vesicular stomatitis virus mRNA, nucleotide sequence 5685.
- role-Bacillus sporulation 4789.
- Saccharomyces cerevisiae*, identification-tRNA Phe binding site, use-affinity labelling 4799.
- separation, Sepharose 4B chromatography 4225.
- Staphylococcus aureus*, stability, association-magnesium ion 3771.
- structure, effect of ethylene glycol 3394.
- structure, electron microscopy, comparison-*Artemia salina* / *Escherichia coli* 4234.
- structure, *Escherichia coli*, role-RNA 5611.
- structure, *Geotrichum candidum* 203.
- structure, rat skeletal muscle, during fasting/refeeding, effect of age 5638.
- structure/function, review 3310.
- structure/size, electron microscopy, *Escherichia coli* 197.
- 3'-terminal methylated sequence, *Escherichia coli*, structure/properties 5614.
- topography-ribosomal protein, free/membrane-bound, rat liver 1364.
- translocation, induction-elongation factor G 222.
- translocation, tRNA Phe, *Escherichia coli*, inhibition-viomicin 1906.
- Trypanosoma cruzi*, characterization 4232.
- yeast, binding-tRNA (N-acetylphenylalanyl), effect of hydrolase 4798.

Ribulose biphosphate,

subunit, high-molecular weight precursor biosynthesis, poly (A)-containing mRNA, pea 4323.

Rice,

coleoptile, DNA biosynthesis, effect of anoxia 505.

Rice dwarf virus,

RNA, immunogenicity, rabbit 1170.

RNA, protection-western equine encephalitis virus infection, mouse 324.

Rifampicin,

effect on single-stranded DNA biosynthesis, phage ϕ X174 2384.

inhibition-RNA polymerase/reverse transcriptase, review 3315.

interaction-*Escherichia coli* RNA polymerase, kinetics 1115.

Rifamycin,

binding site, RNA polymerase, *Bacillus subtilis* RNA polymerase 2457.

derivative, effect on RNA 60-70S formation, Rous sarcoma virus transformed cell 3472.

derivative, inhibition-*Histoplasma capsulatum* RNA polymerase 2455.

Rinderpest virus,

infection, Vero cell, effect on RNA/DNA/protein biosynthesis 3464.

RNA,

see also **Immune RNA, Nuclear RNA**

A-form, vibration mode 1523.

accumulation, early, BALB/3T3 cell, effect of polyoma virus temperature-sensitive mutant 4318.

accumulation, *Escherichia coli*, effect of: 5a,6-anhydrotetracyclines 4876.

actinomycin D-resistant, origin, *Aedes albopictus* 4257.

adenine/uridine incorporation, rat/mouse liver, inhibition-chloroquine/primaquine/ethidium 3575.

adenylation, mouse ovum incorporation adenosine 4708.

alfalfa mosaic virus, 5'-terminal nucleotide sequence 1405.

alkylated, extraction, use-phenol, L1210 leukaemia cell 4266.

Amoeba proteus, analysis, electrophoresis 4817.

analysis, Ehrlich ascites cell isolated nucleus 4847.

analysis, rotavirus, animal human strains 4832.

antibody, biosynthesis, role-T lymphocyte suppressor cell, systemic lupus erythematosus, human 3285.

antibody, systemic lupus erythematosus, anti 3284.

antioxidant activity, synergism-tocopherol 913.

avian sarcoma virus-specific, purification/characterization, infected chick embryo cell 5684.

avian sarcoma virus transforming gene-related, occurrence-uninfected avian cell 2242.

avian sarcoma virus transforming gene-related, uninfected avian cell, characterization 2258.

Balbani ring, cytoplasmic, *Chironomus thummi*, characterization 4844.

barley stripe mosaic virus, isolation following electrophoresis 2609.

base analysis, use-chromatography (high performance liquid) 2923.

binding-benzo(a)pyrene, activation-microsome/nuclear envelope 1977.

binding-benzo(a)pyrene, hamster embryo cell culture 3501.

binding constant-oligonucleotide, determination 1866.

binding-metronidazole 1500.

binding-nitrofurantoin derivative, rat kidney 2320.

binding properties, encephalomyocarditis virus polypeptide G 6307.

binding-protein, affinity constant 898.

binding-protein, formaldehyde-induced, tobacco mosaic

virus/cucumber virus 4 1925.

binding-Rauscher leukaemia virus structural protein 4090.

binding-ribosome, phage QB, effect of coat cistron initiator region site-directed mutation 2255.

bioorganic aspects, USSR research, review 1250.

biosynthesis/properties, *Hypotrachina* /*Chilodonella* /

Tetrahymena macronucleus, review 5390.

brome mosaic virus, reconstitution-protein 5361.

brome mosaic virus, structure, small-angle neutron scattering

5700.

C-type virus, isolation, use-guanidine-HCl 4815.

C-type virus (rat), characterization 5270.

Candida albicans, homology-*Kluyveromyces* 5053.

capped, 5'-terminal sequence, characterization, wheat embryo 5720.

cellular distribution during differentiation, neuroblastoma 2248.

chain elongation-RNA polymerase B, rat prostate gland chromatin, regulation-androgen 2286.

Channa punctatus, content during growth 2243.

characterization, equine infectious anaemia virus 255.

characterization, *Peromyscus eremicus* heterochromatin DNA transcript 2630.

characterization, poliovirus replication complex, electron microscopy/autoradiography 4827.

chick embryo heart, isolation/properties, effect on-chick blastoderm 1459.

chick embryo low-molecular weight inducer, effect on mRNA translation in vitro 4355.

chicken Rous sarcoma cell, complementarity-Rous sarcoma virus 4282.

chicory yellow mottle virus, circular dichroism 2621.

chloroplast, membrane-bound, determination, ethidium bromide fluorometric method 5651.

circular/linear, potato spindle tuber viroid, biosynthesis, infected *Lycopersicon esculentum* leaf 4870.

circulation, higher organisms, review 2516.

coding, *Escherichia coli* R factor 3601.

complement inhibition, Ehrlich tumour cell 1464.

complementary, polyoma virus, biosynthesis-capsid protein in vitro 2205.

complementary, synthesis-*Escherichia coli* RNA polymerase 555.

complementary-citrus exocortis virus, occurrence-infected *Gynura aurantiaca* 3028.

complex-copper, inhibition-Rous sarcoma virus replication 5841.

complex formation-dehydrogenase + platinum 5522.

components, effect on *Bdellovibrio bacteriovorus* viability/cell composition 2539.

composition, brome mosaic virus/cowpea chlorotic mottle virus following replication, *Chenopodium hybridum* 4601.

concentration, rabbit embryo, effect of 6-aminonicotinamide 2774.

constituents, changes during pregnancy, placenta, review 4100.

containing, terminal body, rat lens fibre 4935.

content, *Artemia salina* ribosome 5619.

content, barley leaf, effect of flood/vitamin PP 2249.

content, brain, inbred rat 824.

content, *Candida utilis*, effect of temperature 4931.

content, cattle, normal/leukaemia (lymphatic) 4936.

content, cattle blood, effect of leukosis 3496.

content, cerebral cortex cell, effect of visual cortex hypofunction/hyperfunction 2653.

content, cow milk 3860.

content, *Cuscuta chinensis* 3497.

RNA,(continued)

- content, effect of ambient atmosphere, relationship-nucleolus size, *Allium cepa* epidermis nucleus 506.
- content, effect of parenteral, nutrition/normal thyrotoxicosis rat 236.
- content, effect of polyethylene glycol, rat caecum mucosa 2309.
- content, effect of swimming, rat adrenal gland 310.
- content, EMT6 cell, relationship-clonogenicity 1943.
- content, *Fusarium moniliforme* -infected mango inflorescence 354.
- content, hepatocyte nucleus, effect of α -amanitin 6266.
- content, human blood, association-rheumatic fever 2673.
- content, human central nervous system, effect of death 2606.
- content, human hypoglossal neuron, effect of age 5658.
- content, human leucocyte, adenovirus infection 4808.
- content, human skeletal muscle, obesity, effect of diet 5659.
- content, leukocyte, effect of irradiation 5215.
- content, *Lycopersicon esculentum*, effect of salt concentration 364.
- content, macrophage, activation assay 4812.
- content, mammary tumour virus, during exogenous mammary tumour virus transformation, Balb/c mammary epithelium 5652.
- content, mouse cardiac muscle, effect of rubomycin/carminomycin 842.
- content, mouse submandibular gland, effect of 19-nortestosterone 3031.
- content, *Mucor bacilliformis* sporangiophore 3493.
- content, *Panicum miliaceum* style/stigma/pollen 1390.
- content, petunia root, effect of petunia mottle virus infection 836.
- content, *Pila globosa*, effect of aestivation 3968.
- content, *Pinus nigra* Strasburger cell 1968.
- content, protein accumulation, kinetics, *Triticum aestivum* endosperm 754.
- content, rabbit plasma cell, effect of acetylsalicylic acid/diacetybenzoic acid/azathioprine/D-penicillamine 4377.
- content, rat central nervous system, effect of audiogenic seizure 859.
- content, rat hypothalamus, effect of cooling 327.
- content, rat liver, effect of biotin treatment 1043.
- content, rat liver/kidney, effect of lead poisoning 498.
- content, rat mammary gland, effect of hormone replacement/hypophysectomy 1581.
- content, *Saccharomyces cerevisiae*, relationship-high molecular weight polyphosphate content, during dehydration 5199.
- content, *Tetrahymena pyriformis*, during synchronous growth 3584.
- content, *Toxoplasma gondii* 2669.
- content, *Toxoplasma gondii* cyst 1483.
- content, *Triticum*, effect of zinc 1453.
- content, *Triticum aestivum*, effect of piperazine/pibobromane 3862.
- content, wheat embryo, during germination/vernalization 5823.
- content, zymogen granule, rat pancreas 888.
- content-calf tissue 3837.
- content during development, *Apis mellifera* 3116.
- content during dormancy/growth, *Prunus padus* bud 535.
- content/half-life, Balbiani ring, *Chironomus tentans* 3030.
- content/nucleotide composition, cattle leukocyte, effect of leukaemia (chronic lymphatic) 2734.
- coronavirus (human) OC43, localization-poly (A) sequence, absence-virion RNA replicase 3438.
- coronavirus (human) 229E genome, characterization 5680.
- cowpea chlorotic mottle virus, conformation 4288.
- cowpea chlorotic mottle virus, degradation in situ 3482.
- cowpea mosaic virus, 3'-terminal characterization 3443.
- cowpea mosaic virus isolates, complementation/pseudorecombination 4286.
- Crithidia fasciculata*, characterization 3447.
- cross-linking-*Escherichia coli* ribosomal protein, nitrogen mustard/bromo-ketone reagent, use-topography study 3770.
- cross-linking region, *Escherichia coli* ribosomal subunit 30S, analysis 4781.
- cucumber mosaic virus, nucleotide sequence homology 3809.
- cucumber mosaic virus, sequence homology determination 258.
- cynosurus mottle virus, characterization 5699.
- cytoplasmic, analysis, feline leukaemia virus infected cell 3797.
- cytoplasmic, biosynthesis/transport, mouse spleen, during immune response 3101.
- cytoplasmic, characterization, regenerating rat liver/hepatoma 1413.
- cytoplasmic, content-mouse hepatocyte, effect of irradiation 4879.
- cytoplasmic, precursor, characterization, chick embryo nucleus 4297.
- cytoplasmic, sequence homology, human cancer 1416.
- cytoplasmic polyhedrosis virus, physical properties 2257.
- cytosine/cytosine (3-methyl)/cytosine (5-methyl) content, determination-chromatography (high performance liquid) 1525.
- defect, cell surface, role-cancer aetiology, hypothesis 5777.
- degradation-*Aspergillus oryzae* nuclease S1, HeLa cell lysate, presence-urea/sodium dodecylsulphate 344.
- density gradient centrifugation, use-caesium sulphate-urea 4264.
- derivative, ribofuranose ring stereochemistry 3902.
- detection, use-diazobenzylmethyl-paper/DNA hybridization 2240.
- directed, *Cyprinus carpio* proinsulin biosynthesis, *Xenopus laevis* oocyte 4917.
- distribution, CHO cell, during cell cycle 4261.
- distribution, *Escherichia coli* ribosome/ribosomal subunit 30S 3014.
- distribution/packaging, *Escherichia coli* /wheat ribosome 759.
- distribution-tobacco mosaic virus-infected tobacco 1752.
- DNA covalent linkage, identification-SV40 replicating DNA 2017.
- DNA hybrid, assay method 4804.
- DNA hybrid, stability-perchlorate/trichloroacetate solution 4275.
- DNA-like, *Vicia faba*, fractionation/characterization 1924.
- double-stranded, activation-protein kinase, phosphorylation-initiation factor IF-2, protein biosynthesis 4254.
- double-stranded, adjuvant activity-Newcastle disease virus vaccine 1169.
- double-stranded, analogue, antigen structure/interferon induction activity 5297.
- double-stranded, behaviour-electrode surface, model 3896.
- double-stranded, detection, radioimmunoassay, Semliki Forest virus 1385.
- double-stranded, induction-interferon, comparison-*Penicillium chrysogenum* mycophage/phage f2/reovirus 1455.
- double-stranded, induction-protein biosynthesis inhibitor, mouse L cell 1317.
- double-stranded, inhibition-protein biosynthesis, rabbit reticulocyte lysate 2657.

RNA,(continued)

- double-stranded, inhibition-protein biosynthesis, interferon-treated mouse L cell 4358.
- double stranded, molecular weight, *Aspergillus foetidus* virus S 253.
- double-stranded, occurrence-*Endothia parasitica* 782.
- double-stranded, occurrence-*Thielaviopsis basicola* virus-like particle 1917.
- double-stranded, *Penicillium citrinum* virus, characterization 2627.
- double-stranded, phage f2, induction-interferon, human leukocyte 3097.
- double-stranded, reovirus 3, RNase T1 activity 1100.
- double stranded, *Saccharomyces cerevisiae* killer factor, biosynthesis 306.
- double-stranded, tobacco mosaic virus, occurrence-infected *Nicotiana* 4255.
- double-stranded, *Ustilago maydis* . occurrence/association-killer phenomenon 4256.
- double-stranded, virus-like particle, characterization, *Saccharomyces cerevisiae* 4825.
- double stranded, virus-specific, isolation method 4816.
- double-stranded/single-stranded, identification/localization, virus-infected plant/insect cell 4805.
- Drosophila hydei* , size/distribution-poly (A) sequence 1551.
- duplex, propidium diiodide integration site, sugar pucker geometry 4411.
- early, adenovirus (human) 2, mapping/quantitation, electron microscopy 804.
- early, frog virus 3, biosynthesis in vivo 4868.
- early, interaction-DNA, adenovirus 1229.
- early, virus-specific, accumulation-polyoma virus mutant (tsA) infected 3T6 cells 4316.
- effect of antibiotic ASK-753 901.
- effect on *Clostridium botulinum* toxin precipitation 3483.
- effect on colony formation inhibition 2660.
- effect on *Shigella flexneri* infection, mouse 4927.
- eggplant mosaic virus, tRNA separation 5559.
- encephalomyocarditis virus, in vitro translation system 3387.
- encephalomyocarditis virus, 3'-terminal nucleotide sequence 3433, 5678.
- encephalomyocarditis virus, 3'-terminus nucleotide sequences 247.
- encephalomyocarditis virus, translation, cell-free system 4363.
- entrapment-liposome 2633.
- excited states, book review 2148.
- exogenous, effect on cardiac myoblast membrane differentiation 3100.
- extraction, mammalian spleen 5667.
- fingerprinting, use-labelled oligonucleotide electrophoresis 1397.
- folding, characterization 4421.
- folding, prebiosis 409.
- foot-and-mouth disease virus, localization-poly (C) sequence 4280.
- fractionation, electrophoresis, determination-phosphorous-32 367.
- fragment, hairpin structure, effect on reverse transcription 3580.
- fragment, phage MS2, regulation activity 3096.
- Gaeumannomyces graminis* virus-like particle, characterization 4841.
- genome, brome mosaic virus, expression in vitro, regulation-translation 4336.
- genome, Rauscher leukaemia virus, distribution-phosphoprotein binding site 1400.
- genome, Rous sarcoma virus, occurrence-gene(src) substitution 254.
- globin, adult/tadpole sequence, occurrence-*Xenopus laevis* oocyte 235.
- guanine (6-thio)-containing, rat, effect on protein biosynthesis in vitro 1956.
- half-life, during translation, encephalomyocarditis virus, effect of poly (A) 4732.
- heat shock-specific, transcription, *Drosophila melanogaster* 3478.
- helix-DNA, photochemical cross-linking-psoralen derivative, phage fd 2699.
- helix formation, role-phosphodiester bond 2613.
- helix structure 1518.
- Helminthosporium victoriae* virus-like particle, characterization 4833.
- hepatitis virus A, characterization 3803.
- high-molecular weight, dimer structure, C-type virus 4278.
- high-molecular weight, virion-associated, cleavage-vaccinia virus RNase(endo) 5217.
- hog cholera virus, characterization 247.
- homologous, translation, *Stylonychia mytilus* 3853.
- homology, human influenza virus A 5686.
- homology, poliovirus 1/poliovirus 3, electron microscopy 798.
- hybridization, influenza virus A recombinant 3439.
- hybridization-DNA, efficiency 2339.
- hybridization-DNA, method 3517.
- hybridization properties, hepatoma, during tumour progression 3060.
- hybridization properties, N-nitrosodiethylamine-induced hepatoma, mouse 5969.
- hydroxyl group, binding-polyamine 4274.
- hydroxyl group, NMR 3043.
- immune, antibody biosynthesis induction, lymphosarcoma cell line 870.
- immune, humoral immunity-*Pseudomonas aeruginosa* lipopolysaccharide, transfer, mouse 2661.
- immune, lymph node/spleen, transfer immunity-*Plasmodium berghei* infection, mouse 1460.
- immune, lymphocyte response-tumour antigen, induction in vitro 3104.
- immune, xenogeneic, effect on lymphocyte cytotoxicity-tumour 2301.
- immune, xenogeneic, tumour-specific cell-mediated cytotoxicity transfer, kinetics, mouse/guinea pig 2662.
- immune, xenogeneic, tumour-specific cytotoxicity transfer, mouse fibrosarcoma 321.
- in vitro transcript, 5'-terminal oligonucleotide analysis, use-chromatography (thin-layer) 4822.
- incorporation-tritium-labelled uridine, CV1 cell, effect of SV40 infection 128.
- incorporation-uracil/uridine/orotic acid, mouse/rat/human tumour 847.
- induction-interferon, antiviral activity/antitumour activity 5775.
- infectious bronchitis virus genome, characterization 250.
- infectivity, tobacco ringspot virus/tomato black ring virus, structure requirement 5702.
- influenza virus, fragment preparation 4267.
- influenza virus, 5'-terminal nucleotide sequence 4284.
- influenza virus A, gene mapping 4836.
- influenza virus A, messenger activity, in vitro 4362.
- influenza virus A/influenza virus B, comparison-5'-terminal sequence 3047.
- influenza virus recombinant, characterization 3440.
- inhibition-Rauscher leukaemia virus DNA polymerase

RNA,(continued)

- (RNA-dependent)-associated ribonuclease H 504.
 interaction-agarose 3506.
 interaction-alfalfa mosaic virus coat protein, calorimetry 788.
 interaction-bacteria, review 5394.
 interaction-bis-fluoroethyl nitrosourea, role-cytidine (fluoroethyl) 2254.
 interaction fuchsin (basic)/formaldehyde 405.
 interaction-gold ion 4389.
 interaction-phenosafranine, spectroscopy 4955.
 interaction-protein, GH₃ cell 4095.
 interaction-protein, review 4103.
 interaction-protein, specificity 900.
 isolation, bovine thyroid 2252.
 isolation, immature rat uterus 239.
 isolation, rat liver/kidney/testis, use-sulphuric acid/nitric acid/hydrochloric acid 4270.
 Junin virus, characterization 5676.
 Kirsten sarcoma virus/Harvey sarcoma virus genome, organization 4829.
Lacerta s. sicula induction-avidin biosynthesis 325.
 leader, characterization, vesicular stomatitis virus 3796.
Leishmania tarentolae kinetoplast, characterization 3814.
Lemna gibba, uridine incorporation, diurnal rhythm 5773.
 level-rat epididymis/ductus deferens during postnatal development 3089.
 localization-*Periplaneta americana* haemocyte 3859.
 low-molecular weight, adenovirus (human) 2-infected HeLa cell 4283.
 low-molecular weight, effect on RNA biosynthesis, isolated nucleus 2415.
 low-molecular weight, identification, rat liver 3423.
 low-molecular weight, inhibition-protein biosynthesis, adenovirus-infected HeLa cell 5779.
 low-molecular weight, occurrence-HeLa cell RNA (heterogeneous nuclear)-containing ribonucleoprotein 4811.
 low-molecular weight, occurrence/properties 2604.
 low-molecular weight, R factor-specified, isolation/characterization 4814.
 low-molecular weight, rat connective tissue, isolation/inhibition-mRNA translation 5664.
 maedi virus, absence-sheep lung carcinoma 5653.
 mammalian tissue, extraction method 4820.
 mammary tumour virus, relationship-A-type particle-associated RNA/DNA 805.
Mansonella uniformis Kawino virus, characterization 5690.
 memory transfer, rat brain/liver 869.
 mengovirus, comparison-standard/dense virion 4831.
 mengovirus, selective translation, infected Ehrlich ascites cell 3465.
 mengovirus, stability/translation, Ehrlich ascites cell cell-free system 1472.
 messenger-like, cytoplasmic, biosynthesis, kinetics, HeLa cell 2282.
 metabolism, adenovirus (human) 5-transformed rat embryo cell line, effect of herpes simplex virus infection 5740.
 metabolism, adrenergic neuroblastoma M1 cell 5731.
 metabolism, *Arthrobacter atrocyaneus*/*Arthrobacter crystallopoietes*, during starvation 1036.
 metabolism, *Avena sativa*, during germination 2376.
 metabolism, chick embryo cell culture, effect of *Mycoplasma gallisepticum* infection 5127.
 metabolism, *Drosophila melanogaster*, relationship-polytene chromosome puff 279.
 metabolism, effect of antitumour agent, review 2517.
 metabolism, effect of radiation, Novikoff hepatoma 304.
 metabolism, embryo/foetus, review 4110.
 metabolism, *Plasmodium* 6054.
 metabolism, rat, during pregnancy, effect of malnutrition 872.
 metabolism, rat liver, effect of tryptophan deprivation 858.
 metabolism, rat neonate, effect of maternal undernutrition 3479, 3480, 3481, 6063.
 metabolism, regulation-corticosteroid during mechanical trauma, rat spleen 838.
 metabolism, regulation-plant hormone, review 12.
 metabolism, role-human leukocyte phagocytosis 315.
 metabolism, root meristem, *Zea mays* 3458.
 methylation, Novikoff ascites hepatoma, inhibition-ellipticine/hycanthone/ethidium bromide 1434.
 methylation, vaccinia virus-infected chick embryo fibroblast, effect of interferon treatment 5749.
 methylation/nucleoside incorporation, effect of oestradiol, rat uterus 1426.
 methylation product pattern, methyl diazonium ion 376.
 microinjection-cell, use liposome entrapment 4348.
 mitochondrial, HeLa cell, fractionation-electrophoresis 3038.
 modification-oligonucleotide derivative 895.
 molecular weight determination, use electrophoresis 245.
 Moloney leukaemia virus genome, mapping-host range specific oligonucleotide 3802.
 Moloney leukaemia virus genome, structure 4279.
 monomer, circular dichroism 1282.
 mouse hepatitis virus, characterization 3436.
 mouse hepatitis virus, occurrence-poly (A) sequence 1401.
 mouse skin, uridine incorporation, stimulation-20-methylcholanthrene 3844.
 mouse tumour/embryo derived, antitumour activity 871.
 murine leukaemia virus, RNase T1 oligonucleotide mapping 3798.
 murine sarcoma virus, sarcoma-specific sequence, localization 5028.
 nascent, mercured, use-adenovirus (human) 2 late promoter mapping 3434.
 nascent DNA-associated, isolation/characterization, human lymphocyte 812.
 native/denatured, assay, use-glyoxal/acridine orange 230.
 neonatal calf diarrhoea virus, characterization 3804.
 nitrogen base interaction 3899.
 Nodamura virus, translation, cell-free system 1470.
 non-messenger, effect on mRNA translation 5788.
 nuclear/cytoplasmic, hybridization-*Drosophila hydei* locus 2-48BC 2266.
 nucleolus, fibroblast nucleolus, effect of adriamycin 1433.
 nucleotide sequence, comparison-tobacco mosaic virus strains 807.
 nucleotide sequence, computer analysis 414.
 oligonucleotide fingerprinting, infectious pancreatic necrosis virus 797.
 oncornavirus, oligonucleotide fingerprinting, review 3686.
 oncornavirus, transcription/translation, review 3690.
 orotate incorporation, effect of pyrimidine (2-thio-4-hydrazino), mouse liver 661.
 papaya mosaic virus, 5'-terminal structure 5693.
Penicillium chrysogenum virus, terminal structure 257.
 phase λ , characterization-*Escherichia coli* ribosome binding site 795.
 phase $\phi 6$, fixation, chromic acid + formaldehyde 3523.
 phase fd single-stranded-replicative form conversion origin, sequence determination 2615.
 phase f1-infected *Escherichia coli*, translation in vitro 4904.
 phase MS2, binding-platinum surface 242.
 phase Q β , recognition site, *Escherichia coli* ribosomal protein S1 772.
 phase Q β clone, nucleotide sequence heterogeneity 3432.

RNA,(continued)

- phage Q β variant, inactivation-UV-irradiation 790.
 phage SP82, translation product, in vivo/in vitro 2302.
 phosphorylation, mouse L cell nucleus 283.
 photoactivation, UV-irradiation-in relation to *Smittia* egg 4821.
Physarum polycephalum, isolation/properties during mitosis 3790.
Physarum polycephalum nucleus/nucleolus, transcription, control 3077.
 physical properties, bunyamwera virus 251.
 Pichinde virus, characterization 5675.
 Pichinde virus/Tacaribe virus/Tamiami virus, characterization 3799.
 plant virus, purification, electrophoresis 5663.
 poliovirus, inactivation-ammonia 3792.
 poliovirus, translation, analysis-capsid polypeptide 746.
 poly (A)-containing, *Achlya ambisexualis*, diversity/abundance 5708.
 poly (A)-containing, biosynthesis, effect of training, rat hippocampus 2655.
 poly (A)-containing, biosynthesis, preimplantation mouse embryo 1942.
 poly (A)-containing, biosynthesis during cardiac hypertrophy, effect of digitoxin, rat 1449.
 poly (A)-containing, biosynthesis during triiodothyronine regression, *Xenopus laevis* tadpole tail 3092.
 poly (A)-containing, characterization, wheat germ 5718.
 poly (A)-containing, content, rat hepatoma/cortisone-treated liver 1920.
 poly (A)-containing, content during terminal differentiation, neuroblastoma cell 1387.
 poly (A)-containing, cytoplasmic, distribution/characterization, *Drosophila melanogaster* embryo/oocyte 1458.
 poly (A)-containing, frequency distribution, rat pancreas during development 1461.
 poly (A) containing, guinea pig lymphoid tissue, transfer-low-molecular weight antigen sensitivity 1748.
 poly (A)-containing, *Hyphomicrobium*, isolation/characterization 3812.
 poly (A)-containing, metabolism, effect of scrapie infection, mouse 4322.
 poly (A)-containing, rat liver, isolation/characterization 2611.
 poly (A)-containing, 5'-terminal cap, methylation-*Neurospora crassa* RNA methylase 6229.
 poly (A)-containing, transport, chick optic path 2279.
 poly (A)-containing, unstable, *Caulobacter crescentus*, characterization 3052.
 poly (A)-containing, *Xenopus laevis* ovary/somatic cell 4258.
 poly (A)-lacking, *Artemia salina* embryo, template activity-histone biosynthesis 4353.
 poly(A)-containing, biosynthesis, stimulation-oestrogen, chicken liver 3834.
 poly(A)-containing, characterisation, normal/murine sarcoma virus-transformed BALB/3T3 cell 802.
 poly(A)-containing, detection, method 780.
 poly(A)-containing, *Drosophila*, in vitro translation, heat-shock protein synthesis 3001.
 poly(A)-containing, extraction-*Glycine max* seed, effect of pH 240.
 poly(A)-containing, mitochondrial, HeLa cell, detection-cap structure 4304.
 poly(A)-containing, polyribosomal, comparison-embryonal carcinoma/myogenic/erythropoietic cell line 271.
 poly(A)-containing, sequence, localization-*Peromyscus eremicus* metaphase chromosome 1782.
 polyadenylation, effect of concanavalin A, lymphocyte 2296.
 polyoma virus-specific, biosynthesis, effect of α -amanitin 3829.
 polyribosomal, tobacco, sequence complexity 4849.
 polyribosome, adenovirus (human) 2 genome-specified, mapping 3045.
 polyribosome, transport, comparison-rat liver/hepatoma AH-130 329.
 polysomal/nuclear, base sequence complexity, pluripotent embryonal carcinoma cell line 2632.
 potato spindle tuber viroid, nucleotide sequence/secondary structure 4289, 5695.
 potato virus X, 3'-terminal/5'-terminal structure analysis 5691.
 potato virus X, translation-wheat germ cell-free system, product characterization 3852.
 precursor incorporation, rat myocardium, effect of necrosis 1951.
 protein, photo-interaction, review 4676.
 protein cross-linking reagent 897.
 purification, cowpea chlorotic mottle virus 2608.
 purification, use-potassium iodide density gradient centrifugation 4265.
 purification/biochemical characterization, poliovirus replication complex 4268.
 purification/characterization, haemorrhagic septicaemia virus 786.
 rapidly-labelled, isolation-*Daucus carota* cell 2253.
 rat brain, sequence diversity, effect of environment 2268.
 rat liver, alkylation-vinyl chloride, cytidine(3,N⁴-etheno) formation 4194.
 rat liver, binding-benzo(a)pyrene 4967.
 rat liver, resistance-enzymatic degradation during hepatocarcinogenesis 4369.
 rat tumour, identification-translation product, preproinsulin 342.
 reassociation kinetics 5670.
 recombinant oncornavirus (avian), 3'-terminal/5'-terminal sequence, parental identification 4351.
 release, measurement, rat brain cell 3850.
 release, *Zea mays* leaf, effect of pressure 6084.
 release-human blood lymphocyte, characterization 1058.
 removal-*Pseudomonas thermophila* 5780.
 reovirus, mapping 1931.
 reovirus 3, adenosine residue, methylation in vitro 5755.
 replication, cowpea chlorotic mottle virus, effect of temperature 4887.
 replication, encephalomyocarditis virus-infected cell, localization-restriction 293.
 replication, phage Q β , polymer formation rate 4883.
 replication, tobacco mosaic virus, *Acetabularia* 4774.
 replication, turnip yellow mosaic virus/eggplant mosaic virus/Andean potato latent virus, *Brassica oleracea* /*Datura* leaves 2646.
 resolution-caesium trichloroacetate 3426.
 reovirus, assay, use-reverse transcriptase 1384.
 reversible unfolding, model 4276.
 ribosomal protein S4-associated, 5'-terminal structure, *Escherichia coli* 809.
 rice dwarf virus, immunogenicity, rabbit 1170.
 rice dwarf virus, protection-western equine encephalitis virus infection, mouse 324.
 role-*Escherichia coli* ribosome structure 5611.
 role-host-parasite specificity, review 2910.
 role-reverse transcriptase encapsidation, murine leukaemia virus 867.
 role-tumorigenicity expression, *Agrobacterium tumefaciens*

RNA,(continued)

5725.
role-vesicular stomatitis virus cell killing function 334.
Rous sarcoma virus. cleavage-RNase III, effect of protein p19 2665.
Rous sarcoma virus . complementary nucleotide sequence, occurrence-infected chicken cell 508.
Rous sarcoma virus. DNA biosynthesis initiation site, nucleotide sequence 2618.
Rous sarcoma virus/avian leukosis virus, size/gene content 799.
Rous sarcoma virus genome, restriction endonuclease cleavage site mapping 3808.
Rous sarcoma virus-RNA. quantitation/localization, transformed/revertant field vole cell 3851, 4356.
Rous sarcoma virus-specific, distribution. hamster tumour cells 231.
Saccharomyces cerevisiae . degradation, induction-heat shock 4924.
Saccharomyces cerevisiae spindle pole body 783.
Saccharomyces killer factor, characterization 5671.
satellite, cucumber mosaic virus, characterization 3444.
satellite, properties, tomato black ring virus 3098.
satellite-like, peanut stunt virus, characterization 5697.
satellite tobacco necrosis virus, characterization/molecular weight determination 806.
satellite tobacco necrosis virus, translation, inhibition-GMP (7-methyl), effect of potassium concentration 1466.
satellite tobacco necrosis virus, X-ray diffraction 3916.
sea urchin embryo, sequence distribution 4842.
secondary structure, encephalomyocarditis virus 2616.
secondary structure, role-RNase A resistance 3114.
Sendai virus, interaction-proflavine 3430.
Sendai virus genome, 5'-terminal structure 3046.
separation/purification, use-polyacrylamide gel electrophoresis 4263.
separation-tobacco mosaic virus coat protein, use-dimethylsulphoxide 4269.
sequence, adjacent-3'-terminal poly(A), encephalomyocarditis virus 801.
sequence, computer programme 412.
sequence, potato spindle tuber virus/citrus exocortis virus, during replication-*Lycopersicon esculentum* /*Gynura aurantiaca* 3050.
sequence analysis, computer programme 2700.
sequence analysis, use-chromatography (thin layer) 244.
sequence analysis, use-codon-anticodon interaction 922.
sequence expression, xenotropic, association-Friend leukaemia virus induction-leukaemia, mouse 5778.
sequence homology, foot-and-mouth disease virus serotype 1403.
sequence homology, influenza virus A/influenza virus B 803.
sequence recognition, protein, review 1249.
sequencing, use-*Physarum polycephalum* RNase I 540.
Silene alba , poly(A) sequence size, dependence-isolation temperature 241.
Sindbis virus, interaction-p-nitrophenyl-p'-guanidinobenzoate 793.
Sindbis virus, poly (A)/poly (U) content 4826.
single-stranded, antiviral activity, mechanism 5776.
single-stranded, containing, virus, structure/function, review 4680.
single-stranded/double-stranded, carnation ringspot virus, properties 868.
size distribution, turnip yellow mosaic virus nucleoprotein 2259.
small stable, *Escherichia coli* , characterization 3029.
small stable, *Neurospora crassa* , characterization 2625.
soil, effect on *Hordeum vulgare* 3235.
solution, terbium ion fluorescence 787.
spin label perturbation effect, assay-reverse transcriptase 6205.
spin-labelling, review 1237.
spleen focus-forming virus genome, sequence analysis 5682.
stability, effect of polyamine, review 14.
staining, acridine orange 1478.
structure, comparison-tobacco mosaic virus/cucumber virus 4, Raman spectra 4838.
structure, review 8.
structure/function, review 4109.
structure review 13.
subgenomic, absence-Kunjin virus/Sindbis virus infected Vero cell 835.
subunit size, Friend leukaemia virus 5681.
SV40, non-mRNA sequence, biosynthesis/degradation 5983.
SV40, psoralen derivative photochemical cross-linking-double-stranded DNA template 4272.
symmetrical transcription, absence-*Tetrahymena pyriformis* mitochondria 3065.
synthesis, in vitro, calf thymus RNA polymerase III/*Escherichia coli* RNA polymerase 1707.
synthesis use-cellulose-bound complementary DNA 274.
3'-terminal modification, lactose-containing hapten 3431.
5'-terminal repetitive sequence, role-DNA biosynthesis, avian retrovirus 5093.
5'-terminal structure, oncornavirus, use-classification 4837.
5'-terminal/3'-terminal sequence analysis, use-nuclease P1 1398.
Tetrahymena pyriformis , temperature/actinomycin D, effects on 238.
thymus, induction-T-lymphocyte-specific antigen, bone marrow lymphocyte 3484.
tobacco mosaic virus, characterization, electrophoresis 5696.
tobacco mosaic virus, fate, *Nicotiana tabacum* 323.
tobacco mosaic virus, ORD 3051.
tobacco mosaic virus 5'-terminal region, nucleotide sequence 3810, 3811.
tobacco rattle virus, 3'-terminal structure 2260.
transcript, phage λ /phage T7, identification-5'-terminal oligonucleotide 4823.
transcript, poly(A)-containing, phage MS2/phage Q β , in vitro synthesis-avian myeloblastosis virus reverse transcriptase 1139.
transcript, transport, polyoma virus-transformed rat kidney tumour 5736.
transcription, adeno-associated virus, isolated KB cell nucleus 1944.
transcription, endogenous virus, chick embryo 1932.
transcription, influenza virus, review 3326.
transcription, *Physarum polycephalum* nucleus/nucleolus/chromatin 818.
transcription, reverse transcriptase, oncornavirus (avian) 1140.
transcription, stimulation-heparin, mechanism, rat liver 313.
transcription, SV40-transformed cell 5741.
transcription complex, visualization, mouse cell culture chromatin 3669.
transcription initiation site, adenovirus (human) 2 DNA 941.
transcription product, characterization, rat insulinoma 4848.
transcription product, plasmid ColE1 DNA, characterization 4862.
transcription/translation, initiation-membrane-associated nucleoid, *Escherichia coli* 817.
translation, A-type virus (murine), cell-free system 4911.

RNA,(continued)

- translation, avian infectious bronchitis virus, in vitro 4912.
translation, encephalomyocarditis virus, reticulocyte cell-free system 4771.
translation, mengovirus infected/uninfected Ehrlich ascites cell cell-free system 4922.
translation, murine leukaemia virus/murine sarcoma virus, nuclease-treated reticulocyte 2303.
translation, Rous sarcoma virus, inhibition-oligodeoxyribonucleotide 2194.
translation inhibitor, occurrence-*Artemia salina* embryo cytoplasm 1918.
transmission, *Cocos nucifera* cadang-cadang disease 875.
transport, *Chironomus tentans* Balbiani ring 5783.
transport, rat liver, effect of X-Irradiation 4909.
transport, review 1244.
transport, *Xenopus laevis* neurula cell 326.
tritium-labelled, radioactivity analysis 229.
turnip yellow mosaic virus, comparison-Andean potato latent virus/eggplant mosaic virus 5692.
turnip yellow mosaic virus, structure, circular dichroism 5698.
turnip yellow mosaic virus, structure, Raman spectra 4287.
turnip yellow mosaic virus, 5'-terminal nucleotide sequence 5694.
turnip yellow mosaic virus, translation 3075.
turnip yellow mosaic virus, valylation-yeast tRNA (valyl) synthetase 4273.
turnover, proliferating/non-proliferating human myeloma 3476.
use-chromatography (affinity), review 4106.
use-nitrogen marker, sheep duodenum 4359.
vaccine, *Salmonella typhimurium*, immunity induction, mouse 5781.
vesicular stomatitis virus, 3'-terminal nucleotide sequence, homology-defective-interfering particle 5683.
virus-specific, feline leukaemia virus-infected cell, 5'-terminal cap structure 3794.
virus-specific, identification, Rous sarcoma virus-infected chicken cell 232.
virus-specific, size/composition, avian sarcoma virus-infected cell cytoplasm 1402.
virus-specific, splicing-avian sarcoma virus 5'-terminal genome sequence, infected cell 4863.
yeast, effect of bisulphite, NMR 792.
yeast, effect on *Shigella flexneri* dysentery, mouse 3099.
Zea mays ovule, histochemical localization 1391.
60-70S, formation, Rous sarcoma virus transformed cell, effect of rifamycin derivative 3472.
- RNA 4,**
alfalfa mosaic virus, initiation translation, effect of tRNA fMet/acetylated tRNA Phe 2597.
- RNA 4S,**
biosynthesis, rate, *Drosophila*, effect of RNA metabolism genetic modulation 855.
coding-DNA, *Escherichia coli* plasmid R1 6094.
core, *Escherichia coli* ribosomal subunit 30S, occurrence/characterization 5655.
gene, *Saccharomyces cerevisiae* mitochondrial DNA, mapping 963.
- RNA 5,**
cucumber mosaic virus, characterization 1406.
cucumber mosaic virus, induction-lethal disease, *Lycopersicon esculentum* 4352.

RNA 5S,

- Bacillus stearothermophilus*, *Escherichia coli* /*Bacillus stearothermophilus* ribosomal protein binding site 5704.
binding site, containing, *Escherichia coli* ribosomal protein L18 fragment, characterization 5608.
binding site, wheat embryo rRNA 5S-rRNA 18S complex 5719.
biosynthesis, rate, *Drosophila*, effect of RNA metabolism genetic modulation 855.
Dictyostelium discoideum, 5'-terminal analysis 2263.
Escherichia coli, interaction-ribosomal protein L5/ribosomal protein L18/ribosomal protein L25 5609.
Escherichia coli, Raman spectra, comparison-yeast tRNA Phe 5569.
Escherichia coli /*Bacillus stearothermophilus*, binding-complementary oligonucleotide, identification-single-stranded region 3445.
gene heterogeneity, *Bacillus licheniformis* /*Bacillus subtilis* /*Bacillus Q* 955.
localization, HeLa cell 4810.
nuclear, chick liver, interaction-chromatin deoxynucleoprotein 789.
precursor, *Drosophila melanogaster*, structure/processing 2629.
properties, liver/oocyte, *Tinca tinca* 273.
RNase digestion study 2262.
transcription-cloned DNA 5S, *Xenopus laevis* oocyte 4538.

RNA 5-5S,

- adenovirus (human) 2, initiation site 2617.
transcription, adenovirus DNA, in vitro 4865.

RNA 6S,

- phage Q β , nucleotide sequence, interaction-RNA replicase 4277.

RNA 7S,

- Saccharomyces carlsbergensis*, non-ribosomal nucleotide sequence 4294.

RNA 16S,

- conformation, during ribosomal subunit 30S assembly in vitro 1934.
Escherichia coli, sequence determination 1408.
Escherichia coli ribosomal protein S4/ribosomal protein S8 binding site, electron microscopy 3053.
in vitro conversion-chloramphenicol-treated *Escherichia coli* RNA 17S 276.
localization-globin mRNA sequence 2270.
localization-ribosomal protein S4/ribosomal protein S20 binding site, *Escherichia coli* 761.
native/denatured, 5'-terminal structure, *Escherichia coli* 1545.

RNA 17S,

- chloramphenicol-treated *Escherichia coli*, in vitro conversion-RNA 16S 276.

RNA 20S,

- biosynthesis, *Saccharomyces cerevisiae* 3453.
containing, ribonucleoprotein, *Saccharomyces cerevisiae*, purification 3648.

RNA 21S,

- Moloney leukaemia virus, occurrence-RNase T1 oligonucleotide 4285.

RNA 23S,

- accessible region, *Escherichia coli* ribosomal subunit 50S, nucleotide sequence 2622.

- RNA 26S**,
biosynthesis, Semliki Forest virus-infected BHK-21 cell,
control mechanism 3076.
- RNA 28S**,
in vitro association-tRNA 4271.
nuclear messenger-like, melting properties, comparison-
rRNA 28S/globin mRNA 9S, pigeon erythroid cell 1412.
- RNA 30S**,
endogenous oncornavirus sequence, rescue-C-type virus
(baboon), mouse cell 3848, 4350.
identification, mouse cell line, relationship-C-type virus 2241.
subunit, detection-Kirsten murine leukaemia virus/Moloney
leukaemia virus 233.
- RNA 35S**,
encephalomyocarditis virus, associated protein, isolation/
characterization 2147.
translation, avian sarcoma virus 1954.
- RNA 42S**,
biosynthesis, Semliki Forest virus-infected BHK-21 cell,
control mechanism 3076.
Semliki Forest virus, translation product, analysis 1467.
- RNA 75S**,
Balbiani ring, association-endoplasmic reticulum.
Chironomus tentans salivary gland 5782.
Chironomus Balbiani ring, distribution-cytoplasm 4354.
transcription unit, *Chironomus tentans* salivary gland
Balbiani ring, relationship-chromosome structure 6284.
- RNA (DNA-like)**,
sea urchin embryo/*Escherichia coli*/broad bean shoot,
fractionation-chromatography (MAK column) 785.
- RNA (heterogeneous nuclear)**,
associated, nonhistone protein, characterization 2884.
associated protein phosphorylation, HeLa cell nucleus 5301.
biosynthesis, rat uterus, stimulation-17 β -oestradiol/oestriol
1428.
characterization/biosynthesis, effect of 17 β -oestradiol, rat
uterus 4326.
containing, ribonucleoprotein, isolation, rat-liver/Zajdela
hepatoma 3287.
containing, ribonucleoprotein, review 2913.
containing, ribonucleoprotein complex, characterization, rat
liver 3649.
fraction, occurrence-*Chironomus tentans* salivary gland
1919.
HeLa cell, cap size distribution 813.
HeLa cell, nucleotide sequence 5716.
HeLa cell, mRNA precursor 270.
L cell, methylated sequence, comparison-mRNA 2272.
poly (A)-containing, biosynthesis pathway, comparison-
mRNA precursor, human lymphocyte 2639.
poly(A)-containing, metabolism heterogeneity, mouse liver
312.
poly(A)-containing/lacking, *Drosophila melanogaster*, 5'-
terminal structure 3817.
post-transcription cleavage, formation-immunoglobulin light
chain mRNA 3081.
primary transcription product cleavage, model 5721.
secondary structure, native ribonucleoprotein, HeLa cell
1176.
sequence, *Tripneustes gratilla*, comparison-blastula/pluteus
265.
size, mouse plasmacytoma cell, effect of uv-irradiation/post-
irradiation incubation 4880.
5'-terminal structure, capping 1929.
- RNA-binding protein**,
association-Rous sarcoma virus genome reverse transcription
4653.
- comparison-RD-114 virus/C-type virus 3678.
host factor, phage Q β , use-phylogeny study, *Pseudomonas*
4652.
rabbit reticulocyte, elongation factor/initiation factor activity
4802.
- Rana temporaria* oocytes, isolation 644.
- RNA biosynthesis**,
Acetabularia mediterranea 2277.
activation during *Neurospora crassa* germination, role-
carbon source 2652.
activity, human sideroblastic anaemia 4340.
adenovirus (human) 12-infected KB cell 2642.
adenovirus (human) 2, permissive/nonpermissive infection
4866.
adenovirus-infected HeLa cell, RNA characterization, effect
of toycamycin 4830.
Allomyces arbuscula virus 295.
Allomyces macrogynus development 4895.
Allomyces macrogynus zygote 4896.
anterior pituitary gland, effect of castration/androgen
sterilization, rat 311.
anti-late, regulation, phage T4 289.
Aspergillus nidulans conidium, effect of temperature 2046.
assay, human fibroblast cell culture 467.
associated-nucleoprotein, influenza virus 2645.
association-memory, *Carassius auratus* 1940.
association-polyamine content during cytokinin-induced
Cucumis sativus growth 4314.
Bacillus popilliae, during growth 2370.
Bacillus subtilis, inhibition-granaticin B 1947.
Bacillus subtilis chromosome initiation mutant 851.
barley, effect of ascorbic acid/gibberellic acid/indole-acetic
acid 3471.
BHK cell temperature-sensitive mutant 3455.
BHK-21 cell, effect of potassium dichromate 2053.
BHK-21 cell, inhibition- α -amanitin 4330.
Bombyx mori midgut, during development 4897.
bovine lymphocyte, in vitro 3457.
bovine spermatozoa, properties 314.
bovine thyroid, role-neurotransmitter/prostaglandin/glucose
4514.
brain, learning, review 5375.
brome mosaic virus, in vitro, effect of ethidium bromide/
acridine orange 850.
Bufo marinus urinary bladder, stimulation-aldosterone,
effect of adenosine (3'-deoxy) 4872.
Caenorhabditis elegans, during oogenesis 4309.
Calliphora erythrocephala, effect of chromosome
polytenization 3070.
Calliphora vicina, effect of ecdysterone/methoprene 4485.
Candida albicans, effect of AMP (cyclic) 853.
Candida utilis, effect of copper ion/pH 4891.
Capsicum annuum seedling, effect of γ -irradiation 1616.
cell culture, effect of carcinogen, electron microscopy 1600.
cell culture, effect of glucosamine/actinomycin D 3475.
chicken liver nucleus, in vitro 4310.
Chironomus salivary gland, effect of uridine (5-fluoro) 2176.
chromosome XO, human lymphocyte 2402.
circadian rhythm, rat thymus gland/liver/spleen/myocardium
464.
Citrullus lanatus ovary during development 3846.
Clostridium saccharoperbutylacetonicum, inhibition-
clostocin O 5104, 5106.
Coccus nucifera, inhibition-abscisic acid, effect of indole
acetic acid 840.
complex, Sendai virus, identification, Ehrlich ascites

RNA biosynthesis.(continued)

- carcinoma nucleolus 292.
 control-ecdysone, *Drosophila virilis* salivary gland 299.
 control-ecdysone, *Drosophila virilis* salivary gland 297.
 corpus luteum chromatin, stimulation-lutropin 298.
Coxiella burnetii , role-nucleotide 2291.
Cryptococcus albidus , effect of temperature 4892.
 cytoplasmic polyhedrosis virus, effect of S-adenosylmethionine/S-adenosylhomocysteine/adenosine 4885.
 defective interfering particle, vesicular stomatitis virus 832.
 determination, mollusc nerve tissue 4853.
 dormant *Fraxinus excelsior* embryo 1419.
 during dark period, photoperiodic floral induction.
Chenopodium rubrum 319.
 during germination/vernalization, winter wheat embryo 866.
 during hibernation, hamster ovary 4333.
 during imbibition, *Brassica napus* seed 3459.
 during myocardial hypoxia/anoxia, rabbit heart 2654.
 during *Polytrichum* chloroplast replication, effect of light 1454.
 during preconjugalation, *Tetrahymena pyriformis* 278.
 during sporangiospore germination, *Mucor racemosus* 3066.
 during spore outgrowth, *Clostridium botulinum* 3967.
 during transcription reactivation, *Xenopus* erythrocyte 821.
 early, phase T4-infected *Escherichia coli* , relationship DNA replication/gene (55) product 5734.
 effect of age, rat Purkinje cell 1041.
 effect of antrycide, *Amoeba discoides* 4337.
 effect of aurintricarboxylic acid fractionation component 3217.
 effect of benzimidazole derivatives, review 5365.
 effect of burning, rat myocardium 1445.
 effect of cerulenin, *Streptococcus faecalis* 3951.
 effect of 2-chloroethylphosphonic acid, *Hevea brasiliensis* 2298.
 effect of cordycepin triphosphate, rhinovirus (human) 14/
 poliovirus 2, in vitro 2650.
 effect of coumarin derivatives, Ehrlich ascites carcinoma 864.
 effect of cytosine (<5->fluoro), *Candida albicans* /
Cryptococcus neoformans /*Aspergillus fumigatus* 479.
 effect of daunorubicin(4-demethoxy)/adriamycin(4-demethoxy) derivative, relationship-cytotoxicity, HeLa cell 1613.
 effect of DNA antibody, systemic lupus erythematosus, human 2656.
 effect of ethanol/acetone, *Phaseolus vulgaris* 1452.
 effect of ginseng extract, rat kidney 856.
 effect of hydrocortisone, diabetic rat liver/heart/spleen mitochondria 2285.
 effect of irradiation (ionizing), Novikoff ascites hepatoma 1948.
 effect of kinetin, *Cucumis melo* 1431.
 effect of left side orichidectomy, rat hypothalamic arcuate nucleus 857.
 effect of localized UV-irradiation, CV-1 cell nucleus 843.
 effect of metal mutagen/carcinogen 2290.
 effect of mitomycin C, cell culture 3961.
 effect of partial desympathization, mouse neurocyte 307.
 effect of phytohaemagglutinin stimulation during amino acid starvation, human lymphocyte 1349.
 effect of prednisolone, human lymph node 1946.
 effect of pyrimidine (2-thio-4-hydrazino) 662.
 effect of retinotrophic factor, rat kidney 481.
 effect of testosterone, *Pseudomonas testosteroni* 1424.
 effect of thromboxane B2/<6->ketoprostaglandin F1a, fibroblast 482.
 effect of-vaccinia virus heat-inactivated particle 4884.
 Ehrlich ascites carcinoma/Zajdela hepatoma, effect of oxidative phosphorylation block 1436.
 Ehrlich ascites cell 4481.
 Ehrlich ascites cell, effect of nucleotide(cyclic) 865.
 Ehrlich ascites cell, inhibition-inosine dialdehyde derivative, INOX 2538.
Escherichia coli , effect of guanosine (2'-amino-2'-deoxy) 2954.
Escherichia coli , effect of UV-irradiation/X-irradiation-treated phase T2 ghost 4321.
Escherichia coli , effect of quindoxin/quinoxaline-di-N-oxide 5102.
Escherichia coli B, during low growth rate 2767.
Escherichia coli B/r, effect of nitrofurantoin 5129.
Escherichia coli K12, effect of indoleacetic acid 5758.
Escherichia coli mutant 5984.
Escherichia coli /phase T7, effect of template/primer 4888.
Escherichia coli RNA polymerase primed abortive initiation, phase T7 DNA 4334.
Euscelis plebejus egg, during oogenesis/embryogenesis 4899.
 fibroblast nucleolus, effect of adriamycin 1433.
 Friend leukaemia cell nucleolus, stimulation-fresh medium 5751.
Gallus domesticus wing muscle, during hypertrophy 3389.
Gerris najas nurse cell, during development 4507.
Glycine max , effect of dichloropicolinic acid 3093.
Glycine max embryo during germination, effect of rapid ageing 3227.
 granulopoiesis, human leukocyte 4515.
 HeLa cell nucleus, *Xenopus laevis* oocyte 4313.
 hepatoma cell culture, effect of pyruvate 495.
 human, effect of immunological disease 3845.
 in vitro, effect of glucose, diabetic mouse pancreas islet 860.
 in vitro, rat testis spermatocyte 282.
 in vitro inhibition-calf thymus nonhistone protein, tissue specificity 2129.
 in vivo, rat nodose ganglion 280.
 induction-oestradiol, mouse mammary gland 1430.
 influenza virus A, localization, chick embryo fibroblast/MDCK cell 4317.
 inhibition, Chinese hamsters, cell culture, effects on mitosis 295.
 inhibition, rat liver, effect on RNA (heterogeneous nuclear)-associated nonhistone protein depletion 4058.
 inhibition-anthracycline 4953.
 inhibition-beromycin 408.
 inhibition-calf thymus low molecular weight peptide, human leukaemic/phytohaemagglutinin-stimulated leukocyte/Friend cell 862.
 inhibition-clostin O, *Clostridium saccharoperbutylacetonicum* 2766.
 inhibition-phenanthridine 848.
 inhibition-ribavirin, chick embryo fibroblast 6068.
 inhibition-ribavirin, eukaryote cell 3963.
 intermediate, nucleotide identification, yeast 4162.
 isolated nucleus, effect of low-molecular weight RNA 2415.
 Japanese encephalitis virus, association-nuclear membrane, chick embryo cell 5743.
 kinetics, rat liver nucleus 4311.
 L cell/HeLa cell/HEp-2 cell/Vero cell, inhibition-poliovirus/mengovirus infection 5742.
Lachnus tropicalis 1410.
 low-molecular weight, following fertilization, rabbit embryo 3073.
Lucilia cuprina , during metamorphosis 3564.
 lymphocyte, effect of cryopreservation 6071.

RNA biosynthesis,(continued)

- lymphocyte, regulation-adherent cell 1049.
 lymphocyte, stimulation-complement coated human erythrocyte 2295.
 L1210 cell, inhibition-saframycin A, mechanism 5748.
 Moloney leukaemia virus, effect of interferon 4867.
 mouse, inhibition-d,l-methadone, effect of naloxone/naltrexone 5768.
 mouse bone marrow, effect of cytidine arabinoside 4513.
 mouse L cell, effect of *Coxiella burnetii* infection 4902.
 mouse liver, inhibition-ethionine effect of adenine/ATP/methionine 1447.
 mouse liver/spleen, effect of 1,10-phenanthroline 6057.
 mouse lung carcinoma, effect of cannabinoid 3226.
 mouse mammary tumour virus, effect of glucocorticoid, mammary gland tumour cell 3833.
 mouse myeloma cell, inhibition-vesicular stomatitis virus infection 3467.
 mouse one-cell embryo, characterization 4859.
 murine leukaemia virus, effect of interferon 3477.
Mycoplasma gallisepticum, cell division cytochalasin B 2765.
Nicotiana tabacum pollen tube 287.
 normal/malignant rat liver, effect of actinomycin D 844.
 normal/mengovirus infected L-929 cell 4871.
 nuclear, during immune response, mouse spleen 1448.
 ouabain sensitive/resistant *Aedes albopictus*, effect of ouabain 4315.
 pattern, effect of 7,12-dimethylbenz(a)anthracene, rat mammary gland epithelium 3088.
 pattern, *Naegleria gruberi* transformation 4889.
 pattern during cyst germination, *Polysphondylium pallidum* 3068.
 patterns, sea urchins development 261.
 phage, relationship-*Escherichia coli* rRNA biosynthesis 827.
 phage λ /phage T7, effect of salt concentration/heparin/enzyme-DNA ratio/temperature 4882.
 phage ϕ LL59-infected *Lactobacillus lactis* 3568.
 phage T4 mutant, *Escherichia coli* infection 1420.
 phage T7, initiation kinetics 4361.
Pharbitis nil, relationship-photoinduced flowering 4346.
Phaseolus aureus chromatin, effect of endogenous RNase 1678.
Phoenix dactylifera 4860.
Physarum polycephalum, modification-cadmium 4894.
 plant, book review 629.
 poliovirus 3, role-protein 2 5738.
 poly(A)-containing, radish embryo, during germination 3825.
 poly(A)-containing, *Rhizopus stolonifer* sporangiospore germination 2276.
 polyoma virus, transformed rat cell 3832.
 promoter site initiation, effect of pH 4881.
 rabbit cerebral cortex, review 5380.
 rabbit corpus luteum, effect of 17β -oestradiol withdrawal 1429.
 rabbit mammary gland, effect of polyamine 4339.
Rana pipiens, development 5991.
Rana pipiens striated muscle, control 5761.
 rat, effect of age 3843.
 rat, effect of magnesium deficiency 2399.
 rat brain, during development 3190.
 rat brain, effect of metergoline 1952.
 rat brain during development, effect of hydrocortisone/ACTH/aldosterone/thyroxine 5098.
 rat brain during development/morph 4312.
 rat brain nucleus, effect of morphine 4901.
 rat embryo, effect of prostaglandin $F_{2\alpha}$ 2288.
 rat epididymis/ductus deferens/prostate gland postnatal development RNA 3080.
 rat liver, during hypothalamus stimulation 839.
 rat liver, effect of cortisone 5745.
 rat liver, effect of hypothalamus stimulation 3039.
 rat liver, inhibition-ethionine 2294.
 rat liver isolated nucleolus, stimulation-SV40 T-antigen 5766.
 rat liver nucleus 3824.
 rat liver nucleus, stimulation-triiodothyronine 2287.
 rat/mouse/guinea pig, effect of X-irradiation 3210.
 rat/mouse liver/tumour, effect of lucanthone 4903.
 rat nodose ganglion, effect of vagotomy 308, 309.
 rat pancreas 2373.
 rat prostate gland/seminal vesicle, effect of 4-nitro-3-trifluoromethylisobutylanilide 1427.
 rat spleen/liver, effect of γ -irradiation 1595.
 rat thymus/liver/spleen, effect of irradiation 302.
 rat uterus, effect of oestradiol 3835.
 rat uterus, initiation site, effect of oestradiol/oestriol/nafoxidine 5747.
 rat vagus nerve, effect of vagotomy 2293.
 rate, rat heart muscle, effect of age 5764.
 rate during *Strongylocentrotus purpuratus* development 819.
 reactivation, *Agrostemma githago* embryo, during early germination 3094.
 regulation, *Achlya* 4307.
 regulation, cytomegalovirus, murine strain 5735.
 regulation, during early germination, *Triticum aestivum* embryo 3228.
 regulation, frog virus 3 2577.
 regulation, neuron/glia nucleus, rat brain 3454.
 regulation, yeast, effect of amino acid shift-up 1442.
 regulation-dinucleoside polyphosphate, CHO cell 2189.
 relationship-glucocorticoid binding-rat thymus cell nucleus/cytoplasm during development 1425.
 relationship-protein biosynthesis, chick liver, during *Eimeria tenella*-induced coccidiosis 5763.
Rhizopus stolonifer/*Botryodiplodia theobromae*, during spore germination 3823.
 RNA, during maturation 2280.
 RNA polymerase β' -subunit mutation, *Escherichia coli* 277.
 RNA polymerase, kinetics/template dependence 2825.
 role-bud morphogenesis, *Hydra vulgaris* 1417.
 role-fruit set, *Cucumis sativus* 318.
 role procapsid, poliovirus 2 829.
 Rous sarcoma virus-transformed chicken fibroblast, effect of α -amanitin 5752.
Saccharomyces cerevisiae, characterization, during meiosis 1440.
Saccharomyces cerevisiae temperature-sensitive mutant 4893.
 Semliki Forest virus-infected chick fibroblast, effect of nonstructural protein 5739.
 Sindbis virus specified, regulation, role-virion core protein 3460.
 site, chromosome X, *Drosophila melanogaster* 2637.
 spontaneous/phytohaemagglutinin induced, lymphoid cell, comparison-adult/infant 2780.
 stimulation-ecdysone, *Drosophila melanogaster* salivary gland, assay 296.
 stimulation-mouse myeloma nucleus factor 1451.
 stimulation-*Panax ginseng* extract, rat bone marrow 2771.
 stimulation-polyamine, *Aspergillus nidulans* 3585.
Streptomyces griseus, during spore germination 976.
 temperature sensitive Semliki Forest virus mutant 834.
 template characteristics, rat liver chromatin 4066.
 5'-terminal region, sequence analysis, HeLa cell 3074.

- termination site, tRNA Tyr gene, *Escherichia coli* 5744.
- Tetrahymena*, effect of cycloheximide 4776.
- Tetrahymena pyriformis*, effect of actinomycin D 2651.
- Tetrahymena pyriformis* temperature-sensitive mutant 2275.
- tobacco mosaic virus, effect of uracil (2-thio), infected *Nicotiana tabacum* 4335.
- Trichosia pubescens*, induction-diethyl ether/chloroform 5760.
- triiodothyronine-stimulated, role-RNA polymerase, rat liver 3624.
- Trypanosoma cruzi*, inhibition-benznidazole 3473.
- unfertilized egg, sea urchin 2635.
- vaccinia virus, in vitro, role-ATP 4875.
- Vero cell, effect of rinderpest virus infection 3464.
- Verticillium* -infected cotton plant leaf 5774.
- virus-induced, association-protein synthesis inhibition, vaccinia virus-infected cell 4773.
- visna virus 830.
- wheat embryo, effect of hydration/dehydration 5154.
- Xenopus laevis*, development, effect of temperature 5762.
- yeast, storage 4852.
- Zea mays*, effect of lindane 1638.
- RNA ligase**,
 phase T4, catalysis-nucleoside diphosphate addition-oligonucleotide 4041.
 phase T4, catalysis-trinucleotide joining 4042.
 phase T4, DNA joining 5294.
 phase T4, oligonucleotide synthesis, substrate specificity 3747.
 phase T4, use-modified nucleoside 3',5'-bisphosphate incorporation-oligonucleotide 3729.
- RNA methylase**,
Neurospora crassa, methylation-poly (A)-containing RNA 5'-terminal cap 6229.
- RNA polymerase**,
 activity, *Bacillus subtilis*, role-delta/sigma factor 5242.
 activity, *Criethidia oncopelti* nucleolus 2828.
 activity, detection, eukaryote cell 3263.
 activity, during proliferation, mouse embryo cell 557.
 activity, effect of cytokinin during leaf senescence, *Hordeum vulgare* 3618.
 activity, effect of 1 α ,25-dihydroxycholecalciferol, chick intestine 6173.
 activity, effect of nucleotide (cyclic), rat heart nucleus 1703.
 activity, human, modification-GMP(cyclic) 554.
 activity, mouse fibroblast nucleus, effect of age 3620.
 activity, rat liver, effect of aflatoxin B₁/ α -amanitin 4571.
 activity, rat liver, effect of freezing 5248.
 activity, rat muscle, effect of cycloheximide 5603.
 activity, rat thymus, regulation-glucocorticoid 3623.
 activity, regenerating guinea pig liver 2451.
 activity, relationship-hyperoestrogenism, rat 5238.
 activity, synthesis-poly (A-U), *Bacillus subtilis* 6170.
 activity during development, *Artemia salina* 4009.
 assembly, *Escherichia coli* temperature-sensitive mutant 4010.
Bacillus subtilis, binding-phage SPO1 DNA, effect of transcription inhibitory protein 5249.
Bacillus subtilis, modifications-phage SP82, effect on-transcription specificity 5245.
Bacillus subtilis, phage SPO1-modified, promoter recognition 3622.
Bacillus subtilis, rifamycin binding site arrangement 2457.
Bacillus subtilis, β' -subunit, role-streptolydigin resistance 6168.
Bacillus thuringiensis /*Escherichia coli*, inhibition- β -exotoxin 5246.
 binding site, phage λ plac5 DNA 1992.
 cauliflower, stimulation-polyethylenimine 3621.
 characterization, *Lactobacillus casei* 1113.
 chromatin transcription, isolated nucleus 2640.
 effect of castration/androgen administration, guinea pig seminal vesicle epithelium 556.
 effect of cycloheximide, rat 1121.
Escherichia coli, σ subunit mutation, effect on transcription activity 6162.
Escherichia coli, accessibility-L cell chromatin satellite DNA 2094.
Escherichia coli, activity-denatured mouse liver DNA 5724.
Escherichia coli, binding-phage T2/phage T7 DNA 1111.
Escherichia coli, binding-phage T7 DNA, displacement-heparin 1700.
Escherichia coli, binding-rat liver chromatin 6166.
Escherichia coli, binding/transcription-SV40 DNA 1705.
Escherichia coli, catalysis-single nucleotide addition 4011.
Escherichia coli, cleavage pattern-phage λ phage ϕ 80 hybrid DNA 1665.
Escherichia coli, complex-DNA, characterization, use-dimethylsulphate methylation 4008.
Escherichia coli, complex-DNA, subunit topography 5247.
Escherichia coli, complex-phage T7 DNA 1110.
Escherichia coli, decadeoxynucleotide template properties 3619.
Escherichia coli, effect of cobalt substitution 1114.
Escherichia coli, effect of methylglyoxal bis(guanyldrazone)/spermidine/spermine 2453.
Escherichia coli, inhibition-aminoquinone derivative 2824.
Escherichia coli, inhibition-bis(1-anilino-8-naphthalenesulphonate) 2822.
Escherichia coli, inhibition-heliomycin, cell-free system 6164.
Escherichia coli, inhibition-poly A (9-vinyl)/poly U (1-vinyl) 2826.
Escherichia coli, initiator-substrate distance 6176.
Escherichia coli, interaction-nucleoside triphosphate 6174.
Escherichia coli, interaction-phage fd DNA, binding site mapping, electron microscopy 430.
Escherichia coli, interaction-phage fd DNA, dissociation kinetics 553.
Escherichia coli, interaction-phage T5 promotor 2089.
Escherichia coli, interaction-phage T7 DNA 336.
Escherichia coli, interaction-phage T7 DNA, photochemical cross-linking 6172.
Escherichia coli, interaction-rifampicin, kinetics 1115.
Escherichia coli, mutant subunit, identification 4565.
Escherichia coli, nonspecific interaction-native/denatured DNA 4568.
Escherichia coli, normal/phage T2-infected, kinetics 2821.
Escherichia coli, nucleoside triphosphate multiple binding sites 5244.
Escherichia coli, polyribonucleotide synthesis/pyrophosphorolysis, effect of nucleoside diphosphate 6165.
Escherichia coli, primed abortive initiation-RNA biosynthesis, phage T7 DNA 4334.
Escherichia coli, RNA synthesis in vitro 1707.
Escherichia coli, subunit distribution-cytoplasm/chromosome 1116.
Escherichia coli, subunit resolution, isoelectric focusing 1117.
Escherichia coli, synthesis-complementary RNA 555.
Escherichia coli, transcription-BK virus DNA 3264.
Escherichia coli, transcription-phage M13 single-stranded DNA, effect of *Escherichia coli* DNA-binding protein 1224.
Escherichia coli binding site-phage T7 DNA, mapping 5004.
Escherichia coli /mammalian cell culture, inhibition-

RNA polymerase,(continued)

- antitumour agent 1129.
- Escherichia coli* /phage T7, RNA/poly (A), initiation specificity 2830.
- Euglena gracilis* , activity, effect of temperature 2450.
- eukaryote, review 3321.
- flagellum formation defective mutant, *Escherichia coli* K12, characterization 2092.
- gene, containing, *Escherichia coli* chromosome, transcription pattern 1939.
- Histoplasma capsulatum* , inhibition-rifamycin derivative 2455.
- influenza virus, inhibition-aurintricarboxylic acid, mechanism 6171.
- inhibition-adriamycin-14-octanoate 2452.
- inhibition-chromomycin/olivomycin/bleomycin, review 3322.
- inhibition-Cibacron blue F3GA, *Azotobacter vinelandii* 1108.
- inhibition-distamycin A/netropsin, review 3318.
- inhibition-glycerol, mouse ascites tumour/liver 2096.
- inhibition-1,10-phenanthroline-copper ion complex 4567.
- inhibition-rifampicin, review 3315.
- interaction-*Escherichia coli* DNA, localization-binding site 6175.
- interaction-*Salmonella typhimurium* /promoter operon (trp)*Escherichia coli* operator region trp operon 6167.
- isolation/activity, effect of α -amanitin/antibiotics, mouse leukaemia L1210 cell 2454.
- lipiarmycin-resistant mutant, *Bacillus subtilis* , characterization 2091.
- localization-DNA binding site, electron microscopy 5237.
- mammalian, inhibitor, review 2511.
- Micrococcus luteus* , purification/characterization 4566.
- mutant, *Escherichia coli* , regulation-biosynthesis/activity 1704.
- mutant, transcription termination, protein rho-defective *Escherichia coli* 2820.
- nuclear, stimulation during resumption-development, *Macropus eugenii* blastocyst 4569.
- phage N4, structure/transcription selectivity 6163.
- phage N4, template requirement 6169.
- phage PBS2, transcription specificity 2095.
- phage Q β , inhibition-orthophosphate/pyrophosphate, effect of metal ion/substrate/template 5239.
- phage T3, transcript size/interaction-DNA 2098.
- phage T4-modified, transcription-phage T4 late gene in vitro 2823.
- Physarum* , pattern during growth/differentiation 4013.
- product, phage T7, hybridization-DNA restriction fragment 1112.
- promoter, structure, phage T7 432.
- rabies virus, activity/characterization 4570.
- rat liver, role-triiodothyronine-stimulated RNA biosynthesis 3624.
- RNA biosynthesis, kinetics/template dependence 2825.
- role-bacteria sporulation control, review 2506.
- role-gene(recA)-independent genetic recombination, *Escherichia coli* 558.
- role-prokaryote gene selection, review 1236.
- rotavirus associated, detection 4564.
- sigma subunit mutation, localization, *Escherichia coli* genome 2423.
- specificity/function, review 4097.
- structure during transcription 1109.
- subunit, *Bacillus subtilis* , phage SP01-modified, purification 2829.
- subunit, biosynthesis, *Escherichia coli* , regulation 2456.
- subunit, biosynthesis, regulation, *Escherichia coli* 1702.
- subunit, biosynthesis rate, *Escherichia coli* K12 2819.
- α -subunit, *Escherichia coli* , amino acid sequence 3262.
- α -subunit, *Escherichia coli* , cyanogen bromide peptides, amino acid sequence 2831.
- α -subunit, *Escherichia coli* , hybrid formation-*Micrococcus luteus* β -subunit 4012.
- α -subunit, *Escherichia coli* , C-terminal amino acid sequence 5241.
- α -subunit, *Escherichia coli* , thermolysin hydrolysis product, amino acid sequence 5240.
- subunit, gene, *Escherichia coli* , in vitro transcription, stringent regulation 1438.
- subunit gene mutation, *Escherichia coli* , effect on operon (rpoBC) transcription 2827.
- β -subunit mutation, effect on transcription, *Salmonella typhimurium* 2093.
- thiol group, *Escherichia coli* , reaction-7-chloro-4-nitrobenzo-2 oxa-1,3 diazole 2090.
- transcription-*Drosophila melanogaster* rRNA gene in vitro 5243.
- transcription-phage T3 DNA, *Escherichia coli* cell-free system, effect of temperature 3828.
- tumour cell/tissue, review 5384.
- RNA polymerase I,**
- activity, association-temperature-sensitive RNase H 5252.
- activity, effect of phytohaemagglutinin stimulation, during lysine deprivation, human lymphocyte 552.
- activity, herpes simplex virus infected BHK21 C13 cell 5251.
- activity, localization-regenerating rat liver 6181.
- activity, mouse liver nucleus, effect of cycloheximide/chlorotetracycline 5250.
- activity, rabbit uterus, inhibition-progesterone 1120.
- activity, rat liver nucleolus, effect of cycloheximide 1121.
- activity, rat liver nucleus, thyroidectomy, effect of triiodothyronine 559.
- activity, regulation-ornithine decarboxylase 3265.
- assay, rat skeletal muscle nucleus 1124.
- associated, protein kinase, purification/properties, rat liver 1739.
- biosynthesis-nuclear RNA, HeLa cell 1386.
- Ehrlich ascites cell, purification/properties 1119.
- isolation, cauliflower inflorescence 1710.
- origin, *Artemia salina* 1701.
- pool, activity, effect of phytohaemagglutinin stimulation, human lymphocyte 6179.
- purification/characterization, murine leukaemia L1210 cell 2458.
- rat liver, transcription fidelity, effect of N-hydroxy-2-acetylaminofluorene 6180.
- Saccharomyces cerevisiae* , initiation-DNA biosynthesis 6177.
- structure/activity, *Acanthamoeba castellanii* trophozoite, comparison-cyst 6178.
- yeast, subunit, interaction-DNA/nucleotide 4014.
- yeast, transcription specificity 1123.
- Zea mays* seedling, purification/characterization 2459.
- RNA polymerase II,**
- activity, effect of thioacetamide, rat liver 1118.
- activity, Ehrlich ascites cell lysate 5254.
- activity, herpes simplex virus infected BHK21 C13 cell 5251.
- activity, mouse liver nucleus, effect of cycloheximide/chlorotetracycline 5250.

- activity, rabbit uterus, inhibition-progesterone 1120.
 activity, rat liver, during hypothalamus stimulation 839.
 assay, rat skeletal muscle nucleus 1124.
Brassica oleraceae, purification/structure 2833.
 calf thymus, modification-protein kinase (cyclic AMP-dependent)/phosphatase 1706.
 calf thymus, phosphorylation-protein kinase (cyclic AMP-dependent) 2461.
 calf thymus, role-fraction S protein 1713.
 inhibition-5-amino-1-formylisoquinoline thiosemicarbazone-copper ion/ferrous ion combination 1136.
 isolation-mammalian cell 560.
 lack, *Drosophila melanogaster* transcriptionally inactive chromatin 1711.
 localization-*Drosophila melanogaster* polytene chromosome 1712.
 modification-rat liver protein fraction, during controlled feeding 1125.
 ovalbumin gene transcription, hen oviduct 3071.
Physarum polycephalum, activity during differentiation 2097.
Physarum polycephalum, purification method 4016.
 plant, structure/properties 4015.
 plant, subunit structure/properties 5253.
 pool, activity, effect of phytohaemagglutinin stimulation, human lymphocyte 6179.
 purification/characterization, murine leukaemia L1210 cell 2458.
 rat liver, transcription fidelity, effect of N-hydroxy-2-acetylaminofluorene 6180.
 rat liver nucleus, endogenous transcription complex 2832.
 RNA chain elongation, rat prostate gland chromatin, regulation-androgen 2286.
 role-histone mRNA biosynthesis, HeLa cell, during S phase 4017.
 role-influenza virus replication 561.
 stimulation factor, determination-initiation complex formation, Ehrlich ascites cell 1122.
 stimulatory factor, calf thymus, purification/characterization 3625.
 temperature-sensitive mutation, CHO cell 2460.
 transcript, methylation/capping, HeLa cell nuclear homogenate 3456.
 transcription-viral gene, adenovirus (human) 2 transformed cell 4572.
 yeast, role-zinc 2462.
RNA polymerase III,
 activity, herpes simplex virus infected BHK21 C13 cell 5251.
Brassica oleracea, characterization 2834.
 calf thymus, RNA synthesis in vitro 1707.
 exogenous, transcription-adenovirus (human) 2-specific gene, KB cell nucleus 1709.
 inhibition-5-amino-1-formylisoquinoline thiosemicarbazone-copper ion/ferrous ion combination 1136.
 purification/characterization, murine leukaemia L1210 cell 2458.
 purification/characterization, wheat embryo 1699.
 transcription-rRNA 5S, HeLa cell chromatin 825.
 uninfected/adenovirus (human) 2-infected KB cell, purification/properties/subunit structure 1708.
 yeast, transcription product analysis 6182.
RNA replicase,
 activity, mengovirus-infected Ehrlich ascites carcinoma 3626.
 activity, tobacco mosaic virus, effect of temperature 6185.
 characterization, alfalfa mosaic virus-infected Nicotiana tabacum 1126.
 complex, simian virus 5, activity/properties 1127.
 cowpea chlorotic mottle virus-infected *Vigna unguiculata* leaf, properties 6186.
 interaction-phage Q β RNA 6S 4277.
 measles virus-associated, characterization 4573.
Nicotianum tabacum, characterization 6184.
 normal/tobacco mosaic virus-infected tobacco leaf, purification/characterization 6183.
 poliovirus 1-specific, isolation/properties, HeLa cell 563.
 ribosome-associated, product characterization, chicken erythrocyte 562.
 spring viraemia of carp virus, characterization 4574.
mRNA,
 α -actin/ β -actin/ γ -actin, characterization 811.
 α -foetoprotein, rat, quantitation, use-complementary DNA probe 1395.
 accumulation, adenovirus (human) 2, effect of cycloheximide 3083.
 accumulation, wheat embryo, association-protein biosynthesis during imbibition 5800.
 ACTH, translation, cell-free system, characterization-protein 2306.
 activity, rat liver, effect of thioacetamide 5794.
 adenosine (2-methylthio-N⁶-(Δ^2 -isopentenyl)-containing, *Escherichia coli*, effect of iron 2198.
 adenovirus (human) 2, mapping 2351.
 adenovirus (human) 2, nuclear origin 3082.
 adenovirus (human) 2, 5'-terminal sequence arrangement 248.
 adenovirus (human) 2, 3'-terminal structure 3437.
 albumin, analysis, Morris hepatoma 5798.
 albumin, content/translation, effect of protein deficiency, rat liver 3424.
 albumin, distribution-free/membrane-bound, rat liver polyribosome 1462.
 albumin, purification/analysis, rat liver 1922.
 albumin, rat liver, identification-high-molecular weight precursor 5665.
 albumin, translation, rat hepatoma, pre-proalbumin synthesis 1476.
 analysis, *Phaseolus vulgaris* 272.
 analysis, use-mRNA complementary DNA hybridization mediated protein biosynthesis cell-free system, translation 3027.
 assay, *Xenopus laevis* egg cell 2244.
 association-microsome membrane 320.
 binding-initiation factor IF-2 2232.
 binding site, *Escherichia coli* ribosomal subunit 30S, identification-ribosomal protein, use-2-methoxy-5-nitrotrypone inactivation 3012.
 binding site, localization, *Escherichia coli* ribosome 2585.
 biosynthesis, cytoplasmic polyhedrosis virus, pretranscription capping 3063.
 biosynthesis, *Drosophila melanogaster*, induction-heat shock 5759.
 biosynthesis, excised *Helianthus tuberosus* tuber slice 286.
 biosynthesis, globin, dimethylsulphoxide-induced differentiation-mouse erythroleukaemia cell 5772.
 biosynthesis, regulation, mouse mammary gland 4327.
 biosynthesis, regulation-testosterone, rat ventral prostate 4328.
 biosynthesis, *Spirodela oligorrhiza* plastid during greening, effect of light 4345.
 biosynthesis, stimulation-triiodothyronine, rat liver 3838.
 biosynthesis, SV40/adenovirus (human) 2, hypothesis, review 17.
 biosynthesis, vaccinia virus, in vivo/in vitro 4864.

mRNA.(continued)

- biosynthesis, vaccinia virus, role-ATP 5754.
 biosynthesis, vesicular stomatitis virus, inhibition-interferon 4319.
 biosynthesis/processing/regulation, eukaryote, review 4681.
 biosynthesis/properties, phage ϕ 29, UV-irradiation-treated *Bacillus subtilis* 3827.
 bound protein, characterization, rat liver, comparison-poly (A)-binding protein 2144.
 calcium-binding protein, regulation-1,25 dihydroxyvitamin D3, chicken 5750.
 calliphorin, occurrence during *Calliphora vicina* development 234.
 cap/methylated nucleotide distribution, HeLa cell 3821.
 cap methylation, chick embryo lens 822.
 casein, biosynthesis, regulation-hormone, mouse 5746.
 casein, detection-hormone-dependent rat mammary gland tumour 1389.
 casein, effect of prolactin/glucocorticoid, rabbit mammary gland 3079.
 casein, inhibition-progesterone, rat mammary gland, during pregnancy 2648.
 casein, regulation-suckling/corticosteroid 2289.
 casein, stabilization-prolactin/glucocorticoid, rabbit 4357.
 cellular, association-nuclear informosome, mouse liver 206.
 characterization, vesicular stomatitis virus 3795.
 chick ovalbumin, isolation, agarose gel 238.
 chlorophyll a/b protein apoprotein, induction-light, *Hordeum vulgare* leaf 4360.
 coat protein, characterization, tobacco mosaic virus + sunhemp mosaic virus mixed infection, *Nicotiana glutinosa* 2658.
 coat protein, detection-eggplant mosaic virus/wild cucumber mosaic virus/okra mosaic virus 5654.
 coding sequence, distribution-Friend cell chromatin 1200.
 conalbumin/ovalbumin, biosynthesis, induction-oestrogen/progesterone, chick oviduct culture 4874.
 content, relationship-operon(leu) enzyme level, *Escherichia coli* 781.
 content-calf tissue 3837.
 context, effect on nonsense codon suppression, *Escherichia coli* 4364.
 control-phenylalanine ammonia-lyase activity, *Petroselinum hortense* 3113.
 corticotropin, activity, mouse pituitary tumour cell culture, effect of glucocorticoid 4921.
 corticotropin/ β -lipotropin, translation, reticulocyte cell-free system 1474.
 α -crystallin, bicistronic nature, calf lens 2664.
 crystallin, calf lens, translation-*Xenopus*, oocyte 5796.
 cysteine, biosynthesis regulation, *Escherichia coli* K12, use-transducing phage λ 1949.
 cytochrome c, level, *Saccharomyces cerevisiae*, glucose repression 4916.
 cytochrome c oxidase/ATPase, yeast, isolation/mapping 2626.
 cytoplasmic, containing, ribonucleoprotein, review 2913.
 cytoplasmic, poly(A)-containing, *Drosophila melanogaster*, 5'-terminal structure 3817.
 degradation, requirement-protein biosynthesis, herpes simplex virus infection, Friend erythroleukaemia cell 5598.
 deoxynucleotide kinase, phage T4, stabilization, role-*Escherichia coli* ribosome 4243.
 dependence, biosynthesis-HCG glycosylated subunit, ascites cell cell-free system 3489.
 directed, mouse β -glucuronidase biosynthesis, *Xenopus* oocyte 339.
 dog pancreas amylase, isolation/translation *in vitro* 1962.
 early, adenovirus (human) 2, structure 5687.
 early, phage T7, stability, role-*Escherichia coli* ribosome 4349.
 eggshell protein, *Ascaris lumbricoides*, isolation 2250.
 Ehrlich ascites cell, stability/translation, cell-free system 1472.
Escherichia coli genome transcription product, analysis 261.
Escherichia coli, *in vitro* synthesis-ribosomal protein L12/ribosomal protein L10/elongation factor Tu 2589.
Escherichia coli outer membrane lipoprotein, 5'-terminal sequence 5707.
 extracellular, *Bacillus amyloliquefaciens*, accumulation following transcription inhibition 4906.
 fatty-acid synthetase, rat liver, translation-cell-free system 3110.
 gene, subunit structure, adenovirus DNA 943.
 gene(0-3), phage T7, mapping-ribosome binding site 796.
 globin, biosynthesis/structure, role- β -thalassaemia 5770.
 globin, content, human, haemoglobin Hb Lepore 4809.
 globin, cytoplasmic, biosynthesis, rabbit reticulocyte 3072.
 globin, human, isolation/complementary DNA biosynthesis 3037.
 β -globin, human, nucleotide sequence 4303.
 β -globin, human/rabbit comparison, evolution 2631.
 β -globin, human thalassemia, characterization 5714, 5715.
 globin, mouse, 5'-terminal methylation sequence 4857.
 globin, physical properties, rabbit reticulocyte 3040.
 globin, precursor, characterization, chicken erythroblast 3818.
 globin, precursor, erythroid-enriched mouse bone marrow 4806.
 globin, sequence, localization-RNA 16S 2270.
 globin, sequence characterization, duck erythrocyte 267.
 globin, stability, during induction, mouse erythroleukemia cell 5787.
 globin, stability, role-poly (A), rabbit 2973.
 globin, translation, inhibition-GMP (7-methyl), effect of potassium concentration 1466.
 globin, translation, inhibition-guanosine(7-methyl) monophosphate, rabbit reticulocyte 694.
 globin, translation, rabbit, inhibition-reticulocyte rRNA 4926.
 globin, translation, recognition-5'-terminal 7-methylguanosine, rabbit 4367.
 globin, *in vitro*, biosynthesis 2283.
 globin, *Xenopus laevis*, characterization 4845.
 globin, *Xenopus laevis*, *in vitro* translation 4918.
 globin, 15S precursor, occurrence-poly (A) sequence, chicken erythrocyte 3056.
 α -globin/ β -globin, accumulation, mouse erythroleukaemia cell, effect of dimethylsulphoxide/butyric acid/hexamethylene bisacetamide/haemin 333.
 α -globin/ β -globin, accumulation during differentiation, mouse erythroid cell 2245.
 α -globin/ β -globin, human, 5'-terminus methylation, characterization 256.
 α -globin/ β -globin, precursor, characterization 3041.
 α -globin/ β -globin, precursor, purification-mouse erythroid cell 3033.
 α -globin/ β -globin, stability, human β^+ thalassaemia 237.
 globin/reovirus, lacking 5'-terminal guanosine (7-methyl), translation, role-initiation factor 1468.
 γ -globulin, isolation method 3036.
 glutamate dehydrogenase, translation 1471.
 glycoprotein, vesicular stomatitis virus, binding-endoplasmic reticulum, dissociation-puromycin, CHO cell 876.
 growth hormone, biosynthesis, regulation-glucocorticoid/

mRNA,(continued)

- thyroid hormone, rat 837.
 growth hormone, GH1 cell, control-cortisol/thyroid hormone 2649.
 growth hormone, translation, stimulation triiodothyronine, rat pituitary gland tumour 343.
 guanylyltransferase, activity, vaccinia virus, characterization, 568.
 guanylyltransferase, vaccinia virus, purification 567.
 hepatic tryptophan 2,3-dioxygenase, content during rat development 2246.
 herpes simplex virus, inhibition-methylation, during infection 3830.
 herpes simplex virus-specific thymidine kinase, characterization 5679.
 histone, biosynthesis, HeLa cell 285.
 histone, biosynthesis, HeLa cell, during S phase, role-RNA polymerase II 4017.
 histone, biosynthesis, *Oryza sativa* embryo 826.
 histone, *Drosophila melanogaster*, analysis, use-electrophoresis 2610.
 histone, fate-mengovirus infected Ehrlich ascites cell 3485.
 histone, polyadenylation, HeLa cell 5786.
 histone, sea urchin egg/embryo, localization 5656.
 histone, *Xenopus laevis* oocyte, stabilization-3'-terminal poly(A) 4366.
 histone H2a/H2b, biosynthesis, *Strongylocentrotus purpuratus* development 4856.
 human α -globin/ β -globin, 5'-terminal noncoding region, nucleotide sequence 1415.
 human chorionic somatomammotropin, purification-complementary DNA 372.
 human immunoglobulin heavy chain, translation, in vitro 341.
 human insulinoma, translation, cell-free system 316.
 hybridization, abundance classes 3042.
 hybridization kinetics, prediction 2614.
 immunoglobulin, accumulation-immunized mouse spleen 2659.
 immunoglobulin, mouse myeloma, 5'-terminal nucleotide sequence 3822.
 immunoglobulin, secondary structure 1928.
 immunoglobulin IgA heavy chain, translation-plasmacytoma variant 1475.
 immunoglobulin kappa chain, plasmacytoma, translation-*Xenopus laevis* oocyte 3108.
 immunoglobulin light chain, formation, RNA (heterogeneous nuclear) post-transcription cleavage 3081.
 immunoglobulin light chain, occurrence-mouse thymus T-lymphocyte 4260.
 immunoglobulin light chain/heavy chain, occurrence, plasmacytoma MOPC 315 variant 5660.
 influenza virus A, transcription/translation, cell-free system, protein product characterization 4910.
 influenza virus membrane protein, isolation/characterization 3807.
 initiation-translation, eukaryote, review 1240.
 initiator site, specificity, *Escherichia coli* cell-free system 2578.
 interaction-ribosome, role-?mRNA stability 243.
 interferon, biosynthesis/inactivation, human fibroblast 863.
 interferon, inactivation during interferon biosynthesis shutdown, human fibroblast 1963.
 interferon, mouse, translation-*Xenopus laevis* oocyte/rabbit reticulocyte lysate 4919.
 interferon, translation, *Escherichia coli* 2305.
 UV-irradiation, spectrum 416.
 isolation method, mouse myeloma MOPC 21 1388.
 L cell, methylated sequence, comparison-RNA (heterogeneous nuclear) 2272.
 late, DNA, SV40, complementary DNA nucleotide sequence 5026.
 late, precursor, adenovirus (human) 2, UV-irradiation transcription mapping 3841.
 late, SV40, structure, electron microscopy 3800.
 lysozyme, phage T7, size, effect of RNase III 5672.
 lysozyme, phage T7, translation efficiency, effect of RNase III 5733.
 lysozyme/ovomucoid/ovalbumin, isolation-chicken oviduct polyribosome 1394.
 mammalian, 5'-terminal configuration 4298, 5712.
 mechanism-maturation, SV40 291.
 membrane protein, comparison-measles virus/subacute sclerosing panencephalitis 5688.
 metabolism, characterization, tumour cell 3839.
 metabolism, rat hippocampus, during learning 1450.
 methylation, inhibition-S-tubercidinylhomocysteine, Novikoff ascites hepatoma cytoplasm 1435.
 methylation/degradation, kinetics, interferon mouse L cell 2211.
 mitochondrial, synthesis complementary DNA, use-reverse transcriptase 2745.
 mouse globin, purification, use-Nitrocell S chromatography 3035.
 mouse heavy chain immunoglobulin, isolation/purification/characterization 3429.
 mouse immunoglobulin light chain, determination-3'-terminal region non-coding sequence 1937.
 murine leukaemia virus, characterization 3806.
 myosin heavy chain, characterization, chick embryo skeletal muscle 879.
 myosin heavy-chain, chick fibroblast, content during myogenesis 2247.
 myosin heavy chain, detection during myogenesis, chick embryo skeletal muscle 880.
 myosin light chain, accumulation during differentiation, muscle cell culture 1473.
 Novikoff ascites hepatoma, fractionation, use-complementary DNA-cellulose 3791.
 Novikoff hepatoma/normal/regenerating liver, analysis, use-DNA chromatography (affinity) 1923.
 nucleoside analysis, use-chromatography (thin layer) 82.
 nucleotide sequence determination, ambiguity 3044.
 operon (lac), degradation, role-translation 4368.
 operon (lac), transcription, *Escherichia coli* cell extract, coupling-translation 2292.
 operon(lac), *Escherichia coli*, stability/translation kinetics 877.
 ovalbumin, chicken, nucleotide sequence 5063.
 ovalbumin, chicken, 5'-terminal nucleotide sequence 5710.
 ovalbumin, chromatography, use-complementary DNA-cellulose 5662.
 ovalbumin, coding sequence, presence-chicken DNA restriction fragment 454.
 ovalbumin, secondary structure, comparison-complementary DNA transcript 1927.
 ovalbumin, translation-reticulocyte lysate 2208.
Petroselinum hortense, translation-*Xenopus laevis* oocyte 1965.
Phaseolus vulgaris, in vitro translation product 3854.
 phosphoenolpyruvate carboxykinase, translation-cell-free system 1961.
 phosphogluconate dehydrogenase, quantitation, rat liver 4807.
 pigeon globin, poly(U) sequence 266.

mRNA,(continued)

- placental lactogen, stability, *Xenopus* oocyte 1463.
 poliovirus, structure/properties, review 1245.
 poliovirus, 5'-terminal sequence 1404.
 poly (A)-containing, ATP formation 2273.
 poly (A)-containing, biosynthesis regulation,
Schizosaccharomyces pombe 3067.
 poly (A)-containing, *Botryodiplodia theobromae* spore, in vitro translation 4915.
 poly (A)-containing, complexity, rat liver 2267.
 poly (A)-containing, distribution, chemical/viral tumour 3032.
 poly (A)-containing, isolation/purification 2251.
 poly (A)-containing, localization, mengovirus-infected Ehrlich ascites cell ribosome 4262.
 poly (A)-containing, mouse pituitary tumour, translation, cell-free system, corticotropin precursor biosynthesis 5797.
 poly (A)-containing, *Neurospora crassa*, 5'-terminal structure 3816.
 poly (A)-containing, pea, high-molecular weight ribulose biphosphate subunit precursor biosynthesis 4323.
 poly (A)-containing, photoinduced biosynthesis, *Fusarium aqueductum* 1441.
 poly (A) fragment, enzymatic degradation, role-poly (A) associated protein 4925.
 poly (A) sequence, evolution/function 4665.
 poly(A)-containing, accumulation during proliferation, mouse embryo cell 557.
 poly(A)-containing, coding capacity, mengovirus-infected Ehrlich ascites tumour cells 2304.
 poly(A)-containing, content effect of protein biosynthesis, inhibition 192.
 poly(A)-containing, sequence, comparison-normal/regenerating rat liver 268.
 poly(A)-containing/lacking, sequence complexity, mouse liver/fibroblast cell culture 4300.
 polypeptide IX, adenovirus (human) 2, characterization, identification-gene 800.
 polyribosomal, rat liver, stabilization-cycloheximide 4920.
 precursor, biosynthesis, repression, during starvation, rat 3842.
 precursor, double-stranded, Ehrlich ascites cell, characterization 3451.
 precursor, double-stranded, Ehrlich ascites cell/rabbit bone marrow/kidney cell, hybridization-globin mRNA 3452.
 precursor, β -globin, transcription, mouse 3090.
 precursor, HeLa cell RNA(heterogeneous nuclear) 270.
 precursor, poly (A)-containing, biosynthesis pathway, comparison-RNA (heterogeneous nuclear), human lymphocyte 2639.
 precursor, structure, rabbit erythroid bone marrow cell 3058.
 precursor, structure, rabbit erythroid cell 3057.
 precursor, structure, rat liver nuclear ribonucleoprotein 3819.
 precursor, vesicular stomatitis virus, synthesis in vitro 4886.
 prolactin, activity, rat pituitary gland, effect of 17 β -oestradiol 1945.
 procollagen, biosynthesis during development, chick embryo calvaria 3087.
 procollagen, chick embryo, secondary structure determination 1936.
 procollagen, content, association-procollagen biosynthesis, normal/transformed chick embryo fibroblast 3789.
 production, vaccinia virus core 815.
 prolactin/growth hormone, regulation-thyrotropin-releasing hormone, rat pituitary gland tumour cell 3470.
 promoter(trp), stability phase λ , role-gene(tof) product 1651.
 prostatic binding protein, activity, rat prostate gland, effect of adrogen treatment/castration 338.
 prostatic binding protein, translation, effect of steroid hormone, rat 5795.
 protamine, *Salmo gairdneri* testis, nucleotide sequence 2265.
 protamine, *Salmo gairdneri* testis, isolation/purification 4819.
 protein G1, *Phaseolus vulgaris*, translation/product characterization, cell-free system 5799.
 rabbit content 5661.
 rabbit globin, translation, effect of potassium chloride/magnesium acetate/spermine, cell-free system 193.
 rat mammary gland, translation-cell-free system, secretory protein biosynthesis 5604.
 regulation-human placental lactogen biosynthesis, review 4099.
 release, chloramphenicol-treated *Escherichia coli* during operon (trp) transcription 4877.
 repressor(lac), *Escherichia coli*, 5'-terminal sequence 259.
 ribosomal protein, biosynthesis during nutritional shift-up, *Escherichia coli* K12 3084.
 ribosomal protein, biosynthesis/stability, *Escherichia coli*, effect of growth rate 852.
 ribosomal protein, Ehrlich ascites cell, characterization 4305.
 ribosome-associated 5'-terminal nucleotide sequence, reovirus 1399.
 Rous sarcoma virus, protein-translation, gene (sarc) cell-free system 2663.
 rRNA complex, *Escherichia coli*, characterization, role-protein biosynthesis initiation 774.
 satellite tobacco necrosis virus/cowpea mosaic virus, translation, inhibition-GTP(7-methyl), cap analogue 4724.
 sea urchin, maternal, appearance/persistence-embryo 336.
 secondary structure, model 3793.
 sequence, recognition-initiation factor IF-2 3026.
 sequence complexity/distribution, chick embryo myeloblast, during myogenesis 878.
 sheep thyroid gland, molecular weight determination 1414.
 spliced early, SV40, mapping 3048.
 stability, effect of creatine phosphokinase nuclease activity 4545.
 structure/function, review 1241.
 α -subunit/ β -subunit human choriogonadotropin, identification 315.
 SV40, 5'-terminal localization 5677.
 SV40-specific, 5'-terminal capped structure characterization 3435.
 5'-terminal fragment, binding-ribosome, reovirus 2256.
 3'-terminal hydroxyl group metabolism, during imbibition, wheat embryo 3847.
 5'-terminal phosphorus-32 labelled, sequence analysis 2612.
 5'-terminal structure, adenovirus (human) 2 335.
 thymidine kinase, biosynthesis, herpes simplex virus, regulation 5737.
 thyroglobin, reverse transcription 1465.
 thyroglobulin, localization, goat goitre 2605.
Tortula ruralis, conservation during dehydration 3106.
 transcript mapping, adenovirus (human) 2, homology-SV40 hybrid genome 252.
 transcription, control, α -amanitin effect on melanin biosynthesis, chick retinal pigment epithelium 1444.
 transcription, determination-rRNA transcription role, use-actinomycin D inhibition 3474.
 transcription, phase λ , specificity 5732.
 translation, avian sarcoma virus, initiation site 831.
 translation, effect of non-messenger RNA 5788.
 translation, *Escherichia coli*, inhibition-nitrofurantoin 3107.
 translation, in vitro, effect of chick embryo low-molecular weight inducer RNA 4355.

mRNA.(continued)

translation, inhibition GMP (7-methyl), effect of potassium salt concentration/temperature, wheat germ/rabbit reticulocyte cell-free 4723.

translation, inhibition low-molecular weight RNA, rat connective tissue 5664.

translation, phage SPO1/phage SP82G, *Bacillus subtilis* minicell 5789.

translation, polyoma virus 4913.

translation, reovirus, interferon-mediated low-molecular weight inhibitor, purification/characterization 1422.

translation, review 4101.

translation, role-secondary structure 1958.

translation, rye embryo 1964.

translation, viral, inhibition-interferon, SV40-infected monkey cell 189.

translation product, identification, hormone secreting carcinoma 3112.

transport, rat liver, comparison-juvenile/adult 5784.

transport, *Saccharomyces cerevisiae* mutant (rna1) polyribosome 4908.

tryptophan oxygenase, rat liver, induction-hydrocortisone, effect of cycloheximide 4873.

tubulin, *Strongylocentrotus purpuratus*, translation, deciliation, effects on 312.

tubulin subunit, characterization, chick embryo brain 3055.

tyrosine aminotransferase, biosynthesis, rat liver, effect of AMP (dibutyl clycic) 5769.

tyrosine aminotransferase, purification 3428.

tyrosine aminotransferase, rat liver, effect of enzyme induction-AMP (dibutyl clycic) 4338.

tyrosine aminotransferase, rat liver, isolation/purification 5666.

tyrosine aminotransferase, translation, rabbit reticulocyte cell-free system 3109.

tyrosine aminotransferase isoenzyme, content, rat liver, effect of cortisol 4329.

tyrosine aminotransferase/tryptophan oxygenase, induction-cortisol, rat liver, effect of cycloheximide 4325.

uridyl transferase, induction, *Saccharomyces cerevisiae*, dependence-gene (GAL4) 4537.

uteroglobin, rabbit, translation/purification/characterization 1960.

uteroglobin-like protein, rabbit lung, translation in vitro 1348.

vaccinia virus, abundance/sequence complexity 4834.

vaccinia virus, transcription-coupled translation 5723.

variant specific surface antigen, *Trypanosoma brucei*, purification/characterization 235.

vesicular stomatitis virus, ribosome recognition site, nucleotide sequence 5685, 249.

vesicular stomatitis virus, translation, inhibition-poliovirus infection 4217.

vesicular stomatitis virus membrane glycoprotein, translation in vitro 5791.

vitellogenin, accumulation, chicken liver, effect of 17 β -oestradiol stimulation 3468.

vitellogenin, induction-17 β -oestradiol, rooster liver 3078.

vitellogenin, induction-oestrogen kinetics, cockerel 2647.

vitellogenin, isolation-chicken liver, use-diethylpyrocarbonate 3034.

vitellogenin, rooster, effect of oestrogen 2603.

vitellogenin, *Xenopus*, complementary DNA biosynthesis, 3'-terminal/internal initiation site 4846.

vitellogenin, *Xenopus laevis*, induction-oestrogen, kinetics, measurement-complementary DNA hybridization 1393.

vitellogenin, *Xenopus laevis*, purification/characterization 810.

zein, *Zea mays* endosperm, purification/translation 3062.

5'-terminal, labelling, method 791.

5'-terminal configuration 1396.

mRNA 7.5S,

poly(A)-containing, isolation/characterization, rat liver mitochondria 1938. ~

mRNA 9S,

globin, melting properties, comparison-rRNA 28S/nuclear messenger-like RNA 28S, pigeon erythroid cell 1412.

mRNA 16S,

SV40, cap structure 256.

SV40, structure 4828.

5'-terminal/coding region, localization, SV40 genome 2352.

mRNA 19S,

SV40, cap structure 256.

mRNA 21S,

murine leukaemia virus, 5'-terminal leader sequence, analysis 3801.

mRNA 33S,

thyroglobulin, transcription, use-avian myeloblastosis virus reverse transcriptase 331.

mRNA methylase,

vaccinia virus, assay 6230.

rRNA,

aflatoxin B₁ adduct, hydrolysis product, characterization 1972.

analysis, rat liver nucleolus/nucleoplasm 2680.

association-ribosomal protein, *Escherichia coli* ribosome 3769.

avian myeloblastosis virus, size/secondary structure 2620.

biosynthesis, aphid mycetocyte, role-intracellular symbiont 4900.

biosynthesis, during vernalization, wheat seedling 3095.

biosynthesis, effect of interferon, human fibroblast 3091.

biosynthesis, *Escherichia coli*, relationship-phage RNA biosynthesis 827.

biosynthesis, *Escherichia coli*, relationship growth rate 5727.

biosynthesis, *Escherichia coli* temperature-sensitive mutant 5757.

biosynthesis, excised *Helianthus tuberosus* tuber slice 286.

biosynthesis, HeLa cell, effect on ribosomal protein biosynthesis/degradation 753.

biosynthesis, mouse L cell, inhibition-L-histidinol 1953.

biosynthesis, *Nicotiana tabacum* pollen tube 288.

biosynthesis, *Pisum sativum* chloroplast, stimulation-blue light 4344.

biosynthesis, pumpkin cotyledon plastid/cytoplasm, effect of cytokinin/light 4342.

biosynthesis, pumpkin cotyledon plastid/cytoplasm, effect of detachment/light 4343.

biosynthesis, radish embryo, during germination 3825.

biosynthesis, radish seedling, effect of 2-(4-methyl-2,6-dinitroanilino)-N-methylpropionamide 4347.

biosynthesis, rat liver, effect of protein deficiency 5767.

biosynthesis, rat liver polyribosome, effect of hydroxythiamine 3003.

biosynthesis, rat uterus, stimulation-17 β -oestradiol/oestriol 1428.

biosynthesis, rate, *Drosophila*, effect of RNA metabolism

rRNA.(continued)

- genetic modulation 854.
 biosynthesis, relationship-ribosomal protein biosynthesis, *vicia faba* embryo during germination 5080.
 biosynthesis, relationship-rRNA gene condensation, *Xenopus laevis*, during oogenesis 1443.
 biosynthesis, stimulation-cycloheximide during amino acid starvation, ascites tumour 4332.
 biosynthesis, *Tetrahymena pyriformis*, effect of uridine(5-bromodeoxy) 301.
 biosynthesis, *Tetrahymena pyriformis*, regulation 4308.
 biosynthesis, *Treponema pallidum* 3466.
 biosynthesis, visualization, RNase III-deficient *Escherichia coli* strain, electron microscopy 816.
 biosynthesis/processing/translocation, *Tetrahymena pyriformis*, effect of puromycin 300.
 biosynthesis/stability, *Escherichia coli*, effect of growth rate 852.
 characterization, comparison-*Leishmania tropica* / *Trypanosoma brucei* / *Crithidia fasciculata* 3815.
 characterization, *Escherichia coli* RNA methylation mutant 1933.
Chlamydomonas reinhardtii chloroplast, biosynthesis, association-guanosine tetraphosphate 2278.
 cistron, analysis, *Allomyces arbuscula* 450.
 cistron, nucleolus dominance, *Drosophila melanogaster* x *Drosophila simulans* hybrid 1663.
 complementarity-DNA, cotton, effect of γ -irradiation 398.
 content, human thyroid gland, normal/tumour 1921.
 content during autolysis, rat skeletal muscle 4259.
 determination-structure, use-electrochemical oxidation 3900.
Drosophila, processing/methylation 4898.
Drosophila melanogaster, psoralen cross-linked, structure, electron microscopy 3449.
 electrophoresis, comparison-*Mycoplasma* / *Acholeplasma* / bacteria 808.
Escherichia coli, structure/function/regulation, *Proteus mirabilis* 3813.
Escherichia coli, degradation-RNase U2 5801.
Escherichia coli, interaction-neomycin 4241.
Escherichia coli, irradiation-induced cross-linking-ribosomal protein 2590.
Escherichia coli, purification, electrophoresis 5663.
Escherichia coli ribosomal subunit 50S, structure, effect of UV irradiation 5669.
 evolution 322.
 HeLa cell, methylated nucleotide sequence, RNase fingerprinting 269.
 HeLa cell/mouse L cell/*Xenopus laevis* kidney cell, uridine (pseudo) content 4299.
 human leukocyte, comparison-normal/leukaemia, review 5392.
 hybridization-*Drosophila melanogaster* polytene chromosome 1409.
 isolation/analysis, cell culture 1902.
 isolation/characterization, *Dictyostelium discoideum* membrane-bound ribosome 4818.
 isolation method, *Dictyostelium discoideum* 1392.
 maturation, comparison-*Acetabularia mediterranea* / *Acetabularia major* / *Acetabularia dentata* 784.
 maturation, *Tetrahymena pyriformis* 5728.
 maturation study, use-D-galactosamine 1437.
 metabolism, chick embryo muscle, effect of thyroxine 4324.
 metabolism, effect of boron, *Helianthus annuus* 2299.
 metabolism, human normal/SV40-transformed fibroblast 2281.
 metabolism, rat liver, effect of aflatoxin B₁ feeding 873.
 methylated nucleotide sequence, homology-HeLa cell/BHK cell/L cell/*Xenopus laevis* kidney/chick embryo fibroblast 3059.
 methylation, effect of histidine starvation, Ehrlich ascites cell 317.
 mitochondrial, *Didinium nasutum*, characterization 4784.
 molecular weight, relationship-viscosity, *Saccharomyces cerevisiae* 2264.
 mRNA complex, *Escherichia coli*, characterization, role-protein biosynthesis initiation 774.
Nicotiana tabacum callus, incorporation-adenine (N⁶-furfuryl) 659.
Nicotiana tabacum callus, incorporation-kinetin 68.
Plectonema boryanum, maturation 3069.
 precursor, biosynthesis, repression, during starvation, rat 3842.
 precursor, content-calf tissue 3837.
 precursor, *Dictyostelium discoideum*, 5'-terminal analysis 2263.
 precursor, *Escherichia coli*, cleavage-RNase III 3054.
 precursor, metabolism, *Xenopus laevis* kidney cell 5729.
 precursor biosynthesis, regulation, thioacetamide-treated rat liver 823.
 processing, *Escherichia coli*, effect of mutation (rnc) 5756.
 processing/migration, rat liver nucleolus/nucleoplasm 2638.
 prokaryotic phylogeny 794.
 rabbit reticulocyte, inhibition-globin mRNA translation 4926.
 release, *Escherichia coli* ribosomal subunit 30S, RNase treatment 3009.
 sequence homology, blue-green algae, relationship evolution 4295.
Spinacia oleracea plastid, molecular weight determination 3061.
 transcription, determination-mRNA transcription role, use-actinomycin D inhibition 3474.
 transcription, *Saccharomyces cerevisiae*, effect of ribosomal protein biosynthesis 4890.
 transcription, transducing phage λ 3826.
 transport, *Saccharomyces cerevisiae* mutant (rna1) polyribosome 4908.
 turnover, Chinese hamster cell adenine-starved mutant 1957.
 turnover BALB/c3T3 cell 332.
 yeast, conformation-water/organic solvent mixture, use-molecular weight determination 264.
- rRNA 5S,**
Terrapena carolina, nucleotide sequence 1411.
 biosynthesis, *Chlorella*, photoregulation 1950.
 complex-rRNA 18S, wheat embryo, RNA 5S binding site 5719.
Escherichia coli / *Bacillus stearothermophilus*, binding-ribosomal protein 4290.
Escherichia coli, conformation stability, effect of binding-ribosomal protein L25/ribosomal protein L18/ribosomal protein L5 5613.
 gene, DNA, isolation/characterization, *Xenopus laevis* oocyte 968.
 gene, *Saccharomyces cerevisiae*, localization 3448.
 gene, *Saccharomyces cerevisiae*, nucleotide sequence 2729.
 gene, *Tetrahymena pyriformis*, characterization 3924.
 HeLa cell, 3'-terminal heterogeneity 2271.
 isomer, rat liver, characterization 5713.
 refolding, *Escherichia coli* 262.
Salmo gairdneri, nucleotide sequence 2628.

Salmonella typhimurium, carbon-13-labelled uracil, NMR 4839.

transcription-RNA polymerase C, HeLa cell chromatin 825.
wheat embryo, conformation study, use-nuclease S1 4306.

rRNA 5.8S,

gene *Xenopus laevis*, mapping 5062.

HeLa cell, conformation, use-sodium bisulphite 5717.

Salmo gairdneri, nucleotide/sequence 4843.

rRNA 16S,

binding site, isolation, ribosomal protein S8 196.

characterization, classification-methanogenic bacteria 260.

complex-ribosomal protein S4, structure, electron microscopy 2121.

cross-linking-*Escherichia coli* initiation factor IF-3 1912.

Escherichia coli, cytosine modification, effect on ribosomal subunit 30S reconstitution/function 209.

Escherichia coli, ribosomal protein binding site, conformation/stability 4291.

Escherichia coli, ribosomal protein S4/S16/S17/S20 binding site, structure/properties 4292.

Escherichia coli ribosomal subunit 30S, cleavage-colicin E3 2074.

Escherichia coli ribosomal subunit 30S, nonanucleotide sequence 3446.

fragment, *Escherichia coli*, sequence determination method 2623.

gene, *Leishmania donovani*, sequence arrangement 3923.

processing, *Escherichia coli* endonuclease 490.

ribosomal protein binding site, prokaryote 4293.

ribosomal protein S4 binding region, *Escherichia coli*, characterization 1407.

structure, comparison-ribosomal protein S4 1926.

structure, effect of ethylene glycol 3394.

topography, *Escherichia coli* ribosomal subunit 30S 5706.

rRNA 17S,

Saccharomyces carlsbergensis, biosynthesis-hypermodified nucleotide 1418.

Saccharomyces carlsbergensis, 3'-terminal nucleotide sequence 263.

rRNA 18S,

HeLa cell, biosynthesis-hypermodified nucleotide 1418.

complex-rRNA 5S, wheat embryo, RNA 5S binding site 5719.

HeLa cell, methylated sequence, conformation 3450.

Novikoff hepatoma, nucleotide sequence 5970.

nucleoside content, rat liver 5711.

3'-terminal conformation, human/hamster/*Xenopus laevis* 4620.

3'-terminal primary structure, comparison-*Bombyx mori* /*Dictyostelium discoideum* /mouse/wheat germ 4296.

3'-terminal region, identification-rat liver tRNA 4301.

rRNA 19S,

gene, localization-*Physarum polycephalum* chromatin 4068.

rRNA 23S,

Bacillus stearothermophilus, binding-*Escherichia coli* ribosomal protein L1, nucleotide sequence 5705.

Escherichia coli, puromycin derivative attachment site, nucleotide sequence 2624.

interaction-ribosomal protein S1, *Escherichia coli* 1903.

methylation, *Streptomyces erythreus*, relationship-erythromycin resistance 4840.

rRNA 26S,

gene, *Leishmania donovani*, sequence arrangement 3923.

gene, localization-*Physarum polycephalum* chromatin 4068.

rRNA 28S,

melting properties, comparison-globin mRNA 9S/nuclear

messenger-like RNA 28S, pigeon erythroid cell 1412.

cleavage-reticulocyte membrane factor 4246.

degradation, rat liver 328.

rRNA 45S,

sequence arrangement, review 4671.

rRNA gene,

condensation, relationship-rRNA biosynthesis, *Xenopus laevis*, during oogenesis 1443.

content, *Zea mays* 1488.

Drosophila melanogaster, disproportionate replication 3249.

Drosophila melanogaster, structure, comparison-chromosome X/chromosome Y 5958.

Escherichia coli K12 transcription unit, characterization-plasmid ColE1 hybrid 2418.

Euglena gracilis, restriction endonuclease analysis 5956.

Euglena gracilis chloroplast, cloning 5057.

heterogeneity, Chinese hamster 1559.

localization, heavy DNA component, whale 1563.

localization, rat chromosome 1787.

localization-*Sciara coprophila* heterochromatin 1768.

number, mouse tissue, effect of age 3250.

polarity, *Acetabularia exigua* 3926.

replication, *Tetrahymena pyriformis* 1574.

Saccharomyces cerevisiae, characterization 3546.

Saccharomyces cerevisiae, organization 1547.

activation, during development, mouse embryo 1082.

amplification, *Antheraea pernyi* ovary 5195.

arrangement, *Xenopus laevis* 4459.

chromatin structure, *Physarum polycephalum* 2007.

Chromobacterium, comparison-*Janthinobacterium* 5040.

containing, chromatin, isolation/characterization, nucleolus 611.

containing, chromatin, preparation-*Tetrahymena pyriformis* macronucleus 4637.

containing, chromatin, *Tetrahymena pyriformis* macronucleus, histone composition 4638.

content, *Allium cepa* /*Allium sativum* 3186.

content, *Allium cepa* metaxylem, during differentiation 3307.

content, *Bellevia romana* /*Bellevia dubia* 1084.

denaturation during chromatography-mouse chromatin 969.

distribution, *Phaseolus aureus* /*Glycine max* /*Matthiola*

incana /*Brassica pekinensis* /*Cucumis melo* DNA 2737.

Drosophila melanogaster, relationship-position-effect

variegation 1664.

Drosophila melanogaster, transcription-RNA polymerase in vitro 5243.

Escherichia coli, in vitro transcription, stringent regulation 1438.

fate, human chromosome translocation 13-14 2898.

fragment, mouse, purification/cloning 1494.

isolation-*Xenopus laevis* DNA 4947.

localization, *Allium fistulosum* chromosome 2900.

localization, *Euglena gracilis* chloroplast DNA 1935.

localization, *Triturus vulgaris meridionalis* chromosome 453.

localization, use-hybridization 1988.

mouse oocyte, localization/structure/activity during meiosis 6127.

occurrence-*Tetrahymena pyriformis* 1075.

operon, *Escherichia coli*, localization-tRNA gene 2357.

Physarum polycephalum, stability during active growth 5158.

plant, purification, use-equilibrium centrifugation 374.

- precursor, content, *Acetabularia mediterranea* 4375.
 promoter region, phage λ , cloning 2072.
 recombination, *Escherichia coli* 1074.
 repetitive, Mendelian inheritance, *Saccharomyces cerevisiae* 1077.
 replication, *Physarum polycephalum* 980.
Rhynchosciara hollanderi chromosome, localization-silver banding 6296.
Saccharomyces cerevisiae, magnification 4932.
Saccharomyces cerevisiae, mapping 2728.
Saccharomyces cerevisiae, restriction endonuclease analysis 4455.
 sequence, *Lytechinus variegatus* 5957.
Spinacia oleracea chloroplast DNA, mapping 5071.
Tetrahymena pyriformis, terminal nucleotide sequence 3922.
 transcription unit, characterization, mammalian cell 3557.
Xenopus laevis, methylation pattern 5959.
Xenopus laevis, methylation pattern determination, use-restriction endonuclease 3177.
Xenopus laevis, transcription initiation site 2731.
- tRNA,**
 activation-*Escherichia coli* stringent factor, requirement-3'-terminal purine 3758.
 adenosine + cytosine content, *Lupinus luteus* seed during germination 1335.
 aminoacylation, inhibition-amphetamine, cell-free system 752.
 aminoacylation, *Mustelus mento* 742.
 aminoacylation, rabbit liver diabetes, effect of hydrocortisone acetate 1345.
 aminoacylation, relationship-protein biosynthesis, HeLa cell 4206.
Bacillus subtilis, anticodon loop structure modification during development 4747.
Bacillus subtilis / *Escherichia coli*, uridine (5-methoxy)/uridine-5-oxyacetic acid biosynthesis 5562.
 base composition, normal/regenerating rat liver 4203.
 base-pair content determination, ?i.r.-spectroscopy 169.
 binding, *Escherichia coli* ribosomal protein 1376.
 binding, *Escherichia coli* ribosomal subunit 30S, role-ribosomal protein S1/S11/S21 5642.
 binding-ethidium bromide 5566.
 binding-magnesium ion/manganese ion 1326.
 binding-8-methoxypsoralen 3368.
 binding-Moloney leukaemia virus/simian sarcoma virus reverse transcriptase 4031.
 binding region, *Escherichia coli* ribosome, localization 4796.
 biosynthesis, adenovirus (human) 2-infected KB cell 4746.
 biosynthesis, *Chlorella*, photoregulation 1950.
 biosynthesis, during division cycle, *Physarum polycephalum* 720.
 biosynthesis, *Nicotiana tabacum* pollen, germination 3371.
 characterization, *Escherichia coli* RNA methylation mutant 1876.
 chromatography (high-pressure liquid) 4190.
 complementary anticodon-containing, interaction 3755.
 complex formation-*Escherichia coli* elongation factor Tu, specificity 1381.
 content, *Escherichia coli*, effect of amino acid deficiency 4760.
 content, human thyroid gland, normal/tumour 1921.
 content, mammary tumour virus, characterization 4740.
 content/role-RNA tumour virus, review 22.
Corynebacterium fascians, zeatin (cis-ribosyl), isolation/identification 2932.
 cytoplasmic initiator, *Neurospora crassa*, nucleotide sequence 1877.
 degradation product, urinary excretion pattern, Hodgkin's disease 722.
 determination-structure, use-electrochemical oxidation 3900.
 digestion-snake venom phosphodiesterase 2570.
 eggplant mosaic virus, separation-RNA 5559.
Escherichia coli, adenylate residue, recognition-rat liver tRNA methylase 1340.
Escherichia coli, interaction-copper ion/zinc ion/cadmium ion 716.
Escherichia coli, physical properties, effect of nucleoside modified content 723.
Escherichia coli, inhibition-chorismate mutase 4754.
Escherichia coli, isolation-uridine (4-thio) disulphide 4127.
Escherichia coli, nucleoside Q precursor, guanosine (7-(aminomethyl)-7-deaza), structure determination 5464.
Escherichia coli / rat liver, interaction-aflatoxin B₁ 4743.
 evolution, hypothesis 5571.
 exogenous, uptake/aminoacylation, mouse fibroblast 729.
 extraction-*Phaseolus* / *parthenocissus* / *Triticum*, use-Sephacrose 4B chromatography 4192.
 gene, electron microscopy, use-ferritin-avidin:biotin label 3490.
 gene, *Escherichia coli*, repair-UV-irradiation-induced lesion 1017.
 gene, localization, *Escherichia coli* 3304.
 gene, localization, *Escherichia coli*, rRNA gene operon 2357.
 gene, suppressor, *Escherichia coli*, transduction-mammalian cell 4534.
 gene, *Tetrahymena pyriformis*, characterization 3924.
 hydroxyl group, NMR 3043.
 immobilization method 2533.
 in vitro association-RNA 28S 4271.
 inhibition-aminoacylation, 3T3 cell/SV40-transformed 3T3 cell 2200.
 interaction-*Escherichia coli* MRE 600 ribosomal subunit 50S 2595.
 interaction-interferon 726.
 interaction-methylase, formation-N²-dimethylguanylate, wheat embryo 1328.
 isoaccepting, concentration-*Escherichia coli*, effect of mutation 1325.
 isoaccepting, identification, yeast 2983.
 isoaccepting, multiple, occurrence-*Saccharomyces cerevisiae* mutant 2990.
 isoaccepting, use-collagen biosynthesis 2569.
 isolation-modified nucleotide 5565.
Lupinus luteus, cytokinin isolation/identification 2160.
 metabolism, effect of thermal injury 1849.
 metabolism, *Escherichia coli* tRNA nucleotidyltransferase-deficient mutant 3370.
 N⁶-methyladenosine-containing, *Escherichia coli*, immunoadsorption 5573.
 methylated base, separation-chromatography (high performance liquid) 637.
 methylation, association-UV-irradiation-induced photoproduct formation, *Escherichia coli* 730.
 methylation, *Carcinus maenas* ovary/testis, inhibition-androgenic gland extract 721.
 methylation-N-methyl-N'-nitro-N-nitrosoguanidine, rat liver 3752.
 mitochondrial, yeast, characterization-isoaccepting species 1879.
Mycobacterium smegmatis / *Mycobacterium tuberculosis*, characterization 4196.
Nicotiana tabacum callus, incorporation-adenine (N⁶-furfuryl) 659.

- Nicotiana tabacum* callus, incorporation kinetin 68.
 noncognate, interaction *Escherichia coli* tRNA (glutamyl) synthetase 4208.
 nonprimer, inhibition-avian myeloblastosis virus reverse transcriptase activity 6208.
 normal/uracil (5 fluoro)-containing, properties, *Escherichia coli* B, effect of pH 728.
 nucleoside composition/characterization, *Methanococcus vannielii* 2564.
 oligonucleotide fragment, sequence determination, use-chromatography (thin layer) 167.
- tRNA (N-Acetylphenylalanyl),**
 binding-yeast ribosome, effect of hydrolase 4798.
- tRNA (acetylvalyl),**
Escherichia coli, photochemical cross-linking-ribosome 5641.
- tRNA (alanyl) synthetase,**
 activity, mouse leukaemia cell temperature-sensitive mutant 5583.
 activity, skeletal muscle, diabetic/insulin treated rabbit 4212.
Escherichia coli, substrate specificity 182.
- tRNA (aminoacyl),**
 binding-ribosome, effect of 7,12-dimethylbenz(a)anthracene, rat liver 1377.
 binding ribosome 70S/ribosome 80S, role-elongation factor Tu/elongation factor EF-1 1378.
 binding-ribosome, inhibition- α -sarcin 1910.
 complex-GTP/elongation factor Tu, equilibrium study, *Escherichia coli* 776.
 content, effect of oestradiol, mouse uterus/liver 176.
 formation, effect of lithium 5580.
 fragment, binding-*Escherichia coli* mutant ribosome 4250.
 N-3-(4-hydroxyphenyl)propionyl derivative, iodine-125-labelled, synthesis 4193.
 recognition, *Escherichia coli* cell-free system, effect of hygromycin B 5628.
 regulation-guanosine tetraphosphate/guanosine pentaphosphate synthesis, in vivo/in vitro 727.
 role-aminophosphatidylglycerol biosynthesis, bean seedling 3376.
- tRNA (aminoacyl) synthetase,**
 activity, regulation-growth-dependent factor, *Tetrahymena pyriformis* 735.
 assay 736.
 biosynthesis/activity, *Escherichia coli* K12 threonine deaminase mutant 3761.
 complex, CHO cell, G1 phase 4766.
 complex, chromatography (affinity) 3379.
 complex, rat liver, occurrence-tRNA sulphurtransferase 1884.
 content, *Escherichia coli*, effect of amino acid deficiency 4760.
 detection/purification, human placenta 1341.
 effect of phenylpyruvate/homogentisate, calf brain 734.
Escherichia coli, coli-ATP 177.
Escherichia coli/Bacillus stearothermophilus, affinity labelling-ATP binding site 4761.
Escherichia coli/Bacillus stearothermophilus, ligand binding stoichiometry/subunit structure 185.
 fractionation, aminoheptyl-Sepharose, *Escherichia coli* B 733.
 interaction-yeast tRNA Phe binding Sepharose 5581.
 methylation, effect of X-irradiation, muscle/brain/liver 178.
Mycobacterium smegmatis/Mycobacterium tuberculosis, characterization 4196.
 purification, chromatography (affinity) 737.
 ?tRNA-methylase complex, characterization, leukaemia cell line 175.
 role-amino acid transport, CHO cell 5582.
- tRNA (aminoacyl) hydrolase,**
 activity during *Artemia salina* development 3420.
- tRNA Arg,**
Escherichia coli, biological activity, effect of specific modification 5575.
 phage T4, nucleotide sequence 2562.
 phage T4, suppressor (psu₄⁺op), isolation/characterization 2563.
 yeast, uridine(5-carboxymethyl), wobble position 4201.
- tRNA (arginyl) synthetase,**
Bacillus stearothermophilus, characterization 4207.
 wheat germ, characterization 5584.
 yeast, ATP analogue substrate specificity 4210.
- tRNA Asn,**
 methyl-deficient, detection-nucleoside Q precursor, *Escherichia coli* 1275.
 rat liver, nucleotide sequence 4751.
- tRNA (asparaginy),**
 occurrence, CHO cell mitochondria 5560.
- tRNA (asparaginy) synthetase,**
 mutant, CHO cell, characterization 4762.
 mutant, *Escherichia coli* K12, identification 2201.
- tRNA Asp,**
 crystal, X-ray diffraction, yeast 166.
Escherichia coli, nucleoside Q biosynthesis, role-methionine 719.
 nucleoside Q-containing, *Drosophila melanogaster*, purification/nucleoside composition 4750.
 yeast, X-ray diffraction 2568.
- tRNA (aspartyl) synthetase,**
Escherichia coli, purification/characterization 2571.
- tRNA Cys,**
Escherichia coli, 3'-terminal, nucleotide sequence/properties, role-tRNA nucleotidyltransferase 3384.
- tRNA (cysteiny) synthetase,**
Phaseolus aureus, purification/characterization 4763.
- tRNA fMet,**
 binding-*Escherichia coli* ?tRNA(methionyl) synthetase activation site 181.
 binding factor, interaction-initiation factor, inhibition-protein kinase, rabbit reticulocyte lysate 2602.
 binding-initiation factor IF-2/ribosomal subunit, rat prostate gland 551.
 effect on initiation-alfalfa mosaic virus RNA 4 translation 2597.
Escherichia coli, aminoacylation, role-anticodon base 1344.
Escherichia coli, conformation, lanthanide fluorescence 3372.
 initiation complex formation-ribosomal subunit 40S, rabbit reticulocyte, binding factor activity 3411.
Mycoplasma mycoides, nucleotide sequence 2566.
 rabbit reticulocyte, binding-initiation factor IF-1, association-protein factor 5648.

- tRNA Glu**,
Drosophila melanogaster, isolation/characterization 5570.
gene, localization-*Drosophila melanogaster* 3928.
- tRNA (glutaminyl) synthetase**,
Escherichia coli, interaction-noncognate tRNA 4208.
- tRNA Gly**,
Bombyx mori, nucleotide sequence 1333.
Bombyx mori silk gland, nucleotide sequence 4749.
gene (glyV) derived, *Escherichia coli*, characterization 5576.
- tRNA His**,
Escherichia coli, phosphorylation-polynucleotide kinase, kinetics 1151.
- tRNA (histidyl) synthetase**,
rabbit reticulocyte cytosol, purification/properties 3380.
- tRNA Ile**,
formation, tRNA (isoleucyl) synthetase, effect of polyamine, rat liver 3381.
- tRNA (isoleucyl) synthetase**,
activity, yeast, role-3'-terminal adenosine 5586.
modification-isoleucyl-bromomethyl ketone, effect on catalysis 179.
tRNAIle formation, effect of polyamine, rat liver 3381.
substrate specificity 210.
- tRNA isopentenyltransferase**,
maize, purification/characterization 4770.
- tRNA Leu**,
barley, characterization 4191.
Candida utilis, nucleotide sequence 4748.
Escherichia coli, in vitro aminoacylation-tRNA (leucyl) synthetase 3383.
Escherichia coli, role-amino acid transport regulation 5574.
Syrian hamster, guanosine (7-methyl) content 2992.
yeast, translation-leucine codon, interferon-treated cell 1882.
- tRNA (leucyl)**,
mitochondrial, Syrian hamster, molecular weight 3374.
- tRNA (leucyl) synthetase**,
Escherichia coli, in vitro aminoacylation-tRNA Leu 3383.
Euglena gracilis, inhibition-modified ATP analogue 2572.
level, *Escherichia coli* mutant, characterization 3382.
Nicotiana tabacum, biosynthesis/activity control 5585.
wheat germ, characterization 5584.
- tRNA Lys**,
Bacillus subtilis, nucleotide sequence 1331.
aminoacylation, use-protein biosynthesis measurement, lamb liver 2579.
binding-ethionine, rat liver 2559.
conformation, *Escherichia coli*, effect of codon 5568.
isolation/characterization, *Lupinus luteus* seed 2984.
- tRNA (lysyl)**,
analogue, complex-*Escherichia coli* elongation factor Tu 5643.
mutant, *Escherichia coli*, effects on lysine biosynthesis regulation 2199.
- tRNA (lysyl) synthetase**,
purification, rabbit liver 1343.
Escherichia coli, substrate specificity 182.
yeast, ATP analogue substrate specificity 4210.
- tRNA Met**,
Escherichia coli, aminoacylation, role-anticodon base 1344.
- complex-ribosome, accumulation, cell-free system 4249.
gene, cloned fragment, transcription-*Xenopus laevis* oocyte 3086.
gene, cloned fragment, *Xenopus laevis*, sequence organization 5961.
isoaccepting, methionine incorporation-rabbit globin 3111.
mitochondrial, *Neurospora crassa*, structure/function 1878.
purification, *Scenedesmus obliquus* 1872.
Syrian hamster, guanosine (7-methyl) content 2992.
- tRNA (methionyl)**,
binding-initiation factor IF-2 2232.
mitochondrial, Syrian hamster, molecular weight 3374.
- tRNA (methionyl) synthetase**,
purification, rabbit liver 1343.
chromatography (affinity), *Escherichia coli* 739.
Escherichia coli, interaction-metal ion, NMR 3760.
Escherichia coli, tRNA fMet binding-activation site 181.
isolation/characterization, wheat germ 180.
- tRNA methylase**,
activity, comparison-rat kidney/carcinoma 731.
activity, rat liver/Novikoff hepatoma, effect of purine nucleoside analogue 5564.
activity, rat placenta 1883.
avian myeloblastosis virus/Rous sarcoma virus associated, location/origin 3377.
characterization, *Escherichia coli* RNA methylation mutant 1876.
Escherichia coli, inhibition-ethionine 4757.
Escherichia coli, kinetics 3378.
inhibition-coralyn/nitidine, rat liver 173.
interaction-tRNA, formation-N²-dimethylguanylate, wheat embryo 1328.
rat liver, purification/characterization 4758.
tRNA (aminoacyl) synthetase complex, characterization, leukaemia cell line 175.
rat liver, recognition-adenylate residue, *Escherichia coli* tRNA 1340.
Salmonella typhimurium strain supK, substrate identification 3759.
specificity-tRNA Val, comparison-rat kidney/carcinoma 732.
- tRNA nucleotidyltransferase**,
Ceratodon purpureus, characterization 186.
deficient, mutant, *Escherichia coli*, tRNA metabolism 3370.
Escherichia coli, kinetics 188.
Escherichia coli, purification/properties 187.
mutant, *Escherichia coli*, growth, effect of mutation (relA) 3762.
purification, *Lactobacillus acidophilus*, comparison-*Escherichia coli* 5592.
rabbit liver, purification/binding study 4213.
role-tRNA Cys 3'-terminal nucleotide sequence/properties, *Escherichia coli* 3384.
substrate properties-CTP/ATP analogue 2203.
- tRNA Phe**,
aminoacyl transfer, *Xenopus laevis* oocyte 1339.
binding-magnesium ion, barley embryo 1334.
Phaseolus vulgaris chloroplast, primary structure, comparison-*Euglena gracilis* 1336.
yeast, proton exchange rate, NMR 1332.
acetylated, effect on initiation-alfalfa mosaic virus RNA 4 translation 2597.

- aminoacylation-yeast tRNA (phenylalanyl) synthetase, mechanism 4765.
- barley embryo, binding-monovalent cation, fluorescence 172.
- base composition, comparison-Novikoff hepatoma/Ehrlich ascites cell/normal mouse/rat liver 2994.
- binding site, identification, *Saccharomyces cerevisiae* ribosome, use-affinity labelling 4799.
- conformation, *Escherichia coli*, effect of codon 5568.
- Escherichia coli*, alkylation 2985.
- Escherichia coli*, conformation, effect of aminoacylation 4197.
- Escherichia coli*, conformer interconversion 3754.
- gene, yeast, intervening sequence, transcription/processing 5563.
- gene, yeast, structure 2359.
- isoaccepting, *Rhodopseudomonas sphaeroides*, level during chemoheterotrophic-photoheterotrophic growth transition 3375.
- Lupinus luteus* seed, nucleotide sequence 4204.
- mammalian, role-thymidine(ribo) 122.
- modified, stimulation-*Escherichia coli* guanosine tetraphosphate synthesis 4205.
- nucleotide sequence, *Bacillus stearothermophilus* 2989.
- primary structure, rabbit/calf/bovine liver 2993.
- Rhodopseudomonas sphaeroides*, interrelationships-isoaccepting species 3753.
- Schizosaccharomyces pombe*, nucleotide sequence 2991.
- yeast, anticodon region, conformation transition 4198.
- yeast, binding-ethidium bromide 717.
- yeast, binding-magnesium ion/spermine, X-ray diffraction 2567.
- yeast, binding manganese ion, ESR 1875.
- yeast, binding-Sepharose, interaction-tRNA (aminoacyl) synthetase 5581.
- yeast, codon-anticodon interaction 4797.
- yeast, conformation, effect of wybutine replacement-hydrazine 4199.
- yeast, hexanucleotide conformation, role-nucleoside Y, NMR 3757.
- yeast, interaction-tRNA (phenylalanyl) synthetase/*Escherichia coli* elongation factor Tu, effect of 3'-terminal spin-labelling 5577.
- yeast, magnesium ion binding site 4200.
- yeast, tRNA (phenylalanyl) synthetase recognition mechanism, effect of AMP (phenylalaninyl) 4764.
- yeast, structure 173.
- yeast, structure, NMR 724.
- yeast, unfolding, effect of sodium 4202.
- tRNA (phenylalanyl),**
- binding-ribosomal subunit 30S, effect of centrifugation 1909.
- binding-ribosomal subunit 30S protein, UV-irradiation-induced, *Escherichia coli* 221.
- yeast, complex-*Escherichia coli* elongation factor Tu, RNase T1-digested, isolation/characterization 170.
- tRNA (phenylalanyl) synthetase,**
- Bacillus subtilis*, inhibition-ochratoxin A 741.
- interaction-yeast tRNA Phe, effect of 3'-terminal spin-labelling 5577.
- purification technique, yeast 740.
- specific activity, human placenta 4209.
- structure, yeast 1885.
- yeast, aminoacylation-tRNA Phe, mechanism 4765.
- yeast, tRNA Phe recognition mechanism, effect of AMP (phenylalaninyl) 4764.
- tRNA (pseudouridine) synthetase,**
- activity, Yoshida ascites sarcoma 1886.
- tRNA Ser,**
- Saccharomyces cerevisiae*, anticodon mutations, relationship-suppressor mutations 176.
- tRNA (seryl) synthetase,**
- activity, yeast, role-3'-terminal adenosine 5586.
- Saccharomyces carlsbergensis*, substrate binding site 2997.
- tRNA sulphurtransferase,**
- occurrence-rat liver tRNA (aminoacyl) synthetase complex 1884.
- rat liver, properties 4759.
- tRNA Thr,**
- phage T4, nucleotide sequence 4195.
- 3'terminal hydroxyl group, aminoacylation-yeast tRNA (threonyl) synthetase 4767.
- tRNA (threonyl) synthetase,**
- activity, yeast, role-3'-terminal adenosine 5586.
- subunit structure/mapping-structural gene, *Escherichia coli* 743.
- yeast, aminoacylation-tRNA Thr 3'terminal hydroxyl group 4767.
- yeast, ATP analogue substrate specificity 4210.
- tRNA Trp,**
- gene mutation, effect on regulation-transcription termination 1337.
- aminoacylation-bovine tRNA (tryptophanyl) synthetase, effect of magnesium 5587.
- suppressor, codon specificity, *Escherichia coli* 1881.
- tRNA (tryptophanyl) synthetase,**
- activity, bovine pancreas, role-histidine residue 4769.
- affinity labelling 744.
- Bacillus stearothermophilus*, amino acid sequence 183.
- beef pancreas, isolation/characterization 4211.
- bovine, aminoacylation-tRNA Trp, effect of magnesium 5587.
- bovine pancreas, inhibition-ATP analogue 4768.
- gene, mapping, human chromosome 617.
- immunochemical study 5588.
- mutation, *Escherichia coli*, effect on temperature-sensitive growth 5589.
- sequence, *Bacillus stearothermophilus*, homology-*Escherichia coli* 2202.
- tRNA Tyr,**
- Bacillus stearothermophilus*, nucleotide sequence 2565.
- complex-tRNA (tyrosyl) synthetase, detection, *Bacillus stearothermophilus* 5590.
- Escherichia coli*/mouse liver, binding-L-dopa 4744.
- gene, *Escherichia coli*, transcription, termination site 5744.
- gene, yeast, intervening sequence, transcription/processing 5563.
- role-vermilion locus activation, *Drosophila melanogaster* 5579.
- yeast, complex-hog pancreas tRNA(tyrosyl) synthetase 182.
- yeast, conformation, ESR 725.
- tRNA (tyrosyl) synthetase,**
- binding-tyrosine/ATP 5591.
- complex-tRNA Tyr, detection, *Bacillus stearothermophilus* 5590.

hog pancreas, complex-yeast ?tRNA Tyr 182.
purification/characterization, *Glycine max* cotyledon 2573.
rat liver, purification/properties 184.

tRNA Val,

Escherichia coli, guanosine (6-thio)/uridine (4-thio) sulphur, labelling-tetrakis (acetoxymethyl)methane 3369.
gene, 3'-terminal fragment, chemical/enzymatic synthesis 2551.
human placenta, nucleotide sequence, comparison-mouse myeloma 171.
specificity-tRNA methylase, comparison-rat kidney/carcinoma 732.
uridine (dihydro)/adenosine (6-methyl)/guanosine (7-methyl)/thymidine (ribo), NMR 1841.

tRNA (valyl),

role-regulation-acetohydroxy acid synthase isoenzyme biosynthesis, *Escherichia coli* 4755.

tRNA (valyl) synthetase,

activity, skeletal muscle, diabetic/insulin-treated rabbit 4212.
activity, yeast, role-3'-terminal adenosine 5586.
Escherichia coli, modifying τ -peptide, phage T4, purification/properties 1887.
Escherichia coli, phage T4 τ -peptide modified, structure 1888.
purification technique, yeast 740.
yeast, valylation-turnip yellow mosaic virus RNA 4273.

RNase,

Actinomyces, substrate specificity 2434.
activity, barley, effect of ascorbic acid/gibberellic acid/indole-acetic acid 3471.
activity, comparison-human urine/cerebrospinal fluid/serum 534.
activity, control, *Neurospora crassa* 4544.
activity, distribution during polyribosome dissociation 4552.
activity, *Escherichia coli* /*Staphylococcus aureus*, effect of histone 3295.
activity, foot-and-mouth disease virus-associated 6139.
activity, human placenta, effect of maternal malnutrition 530.
activity, human serum, during parenteral nutrition/haemodialysis/pancreatitis 1090.
activity, muscle tissue myofibril fraction 3996.
activity, normal/cystic fibrosis human 6133.
activity, *Spirodelia oligorrhiza*, effect of phosphate deficiency 529.
activity, *Tetrahymena pyriformis*, effect of heat shock 5214.
activity during dormancy/growth, *Prunus padus* bud 535.
activity/properties, *Dendrophthoe falcata* seed, during development 1089.
S-alkylated derivative, preparation/properties 4550.
allosteric, preparation 4554.
allosteric interaction-ligand 4555.
antibody, biosynthesis, rabbit 2867.
antiviral activity, Newcastle disease virus/pseudorabies virus infected cell culture 2433.
Aspergillus clavatus, interaction-substrate derivative 2808.
Aspergillus clavatus, isolation 5210.
Aspergillus niger, effect of γ -irradiation 6135.
assay, pH 4-5 activity, artefact 2802.
binding-EDTA, NMR 2807.
binding-human tumour 1679.
bovine pancreas, amino acid analysis 1675.
bovine pancreas/bull seminal, effect on human lymphocyte blast transformation 5212.
bovine pancreas/seminal vesicle, effect on HeLa cell/human

lung embryo cell growth in vitro 533.
bovine submaxillary gland, purification/stimulation-spermine 2436.
characterization, human epidermis 2804.
complex-bovine, A, IR spectroscopy pancreas 542.
conformation, effect of guanidine hydrochloride 3607.
conformational mobility, NMR 3998.
content, tobacco protoplast, effect of osmotic stress 1677.
distribution, *Solanum tuberosum* leaf, effect of freezing/thawing 2805.
double-stranded, activity, HeLa cell 3253.
effect of polyamine, review 14.
effect on rat embryo 1105.
electrophoresis, vertebrate spleen/leukocyte 1104.
electrophoresis pattern during dormancy/growth, *Prunus padus* bud 536.
endogenous, effect on RNA biosynthesis, *Phaseolus aureus* chromatin 1678.
fragment, rat pancreas, synthesis 6134.
fragment, synthesis 2803.
fragment 1-17, synthesis 2437.
guanyl-specific, use-trinucleotide synthesis 164.
hen egg yolk, characterization 6140.
histidine ^1H - ^2H exchange, NMR 5219.
Hodgkin's disease, complex-Rauscher leukaemia virus reverse transcriptase 2101.
human, assay, effect of age/sex 2078.
human platelet, characterization 2079.
human urine, purification/characterization 5208.
inhibitor, purification/characterization, human placenta 537.
interaction-platinum(II)/dioxouranium(VI) 1097.
irradiation-induced inactivation, radioprotection-selenium compound 6138.
isolation, chromatography (affinity), use-guanylyl-2'-5'-guanosine 3743.
isolation/characterization/origin, human 2435.
Macropus rufus, amino acid sequence 5207.
mammalian pancreas, comparison, use-immunological method 5211.
Penicillium brevicompactum /*Aspergillus clavatus*, 2',3'-CMP cleavage, reaction mechanism 2080.
Penicillium claviforme, isolation/characterization 6137.
plasma activity, use-diagnosis-ovary cancer 531.
pulse radiolysis, one-electron transfer 4551.
purification/characterization, *Aspergillus clavatus* /*Penicillium chrysogenum* 546.
purification/properties, *Actinomyces* 1676.
reduced, microsomal mixed-function oxidase-dependent renaturation 532.
reduced denatured, refolding, cattle 5209.
ribosome-bound, polyribosome association 3997.
role-fungus differentiation, review 2509.
solution, structure 4553.
treatment, *Escherichia coli* ribosomal subunit 30S, rRNA release 3009.
Triticum vulgare leaf, activity/quaternary structure, effect of desiccation/rehydration 6136.
use-oligonucleotide synthesis 165.
Vicia faba root, isolation/characterization 2806.
RNase (acid),
activity, distribution-precancerous/malignant rat liver 1091.
activity, leukocyte, effect of irradiation 5215.
activity during human lymphocyte stimulation 1680.
activity during rat brain development 539.
characterization, serum/leukocyte, leukaemia (myelogenous) 6141.

RNase (alkaline),

activity, distribution-precancerous/malignant rat liver 1091.
activity, effect of malnourishment, human plasma/leucocyte 1092.

activity, rat, effect of age/weight/zinc uptake 3999.

activity, urine, effect of burns 1682.

activity during rat brain development 539.

heterogeneity, mouse liver/serum/ascites fluid/Ehrlich ascites cell 1681.

purification/characterization, human nephrotic syndrome 538.

purification/characterization, rat liver mitochondria 2081.

RNase (endo),

activity, during DNA biosynthesis, herpes simplex virus 1 infected BHK cell 5216.

presence-interferon treated HeLa cell 1683.

purification, interferon-treated Ehrlich ascites cell 6142.

vaccinia virus, characterization, cleavage-virion-associated high-molecular weight RNA 5217.

vesicular stomatitis virus/Sendai virus-associated, properties 1684.

RNase (exo),

activity, during DNA biosynthesis, herpes simplex virus 1 infected BHK cell 5216.

bovine brain, purification/mechanism 2082.

HeLa cell cytoplasm, purification/properties 1685.

Saccharomyces cerevisiae, properties 5218.

RNase A,

acid denaturation, effect of phosphate, NMR 2439.

action mechanism 541.

activity, effect of formaldehyde 3610.

activity, role-substrate ribose residue 6145.

binding-substrate analogue, thermodynamics 3609.

chain folding kinetics, effect of solvent viscosity/guanidine salts 6144.

complex-3'-CMP/2'-CMP/3'-UMP (dihydro)/3'-CMP arabinoside/2'-CMP (1-(2-hydroxyethyl))/3'-CMP (1-(3-hydroxypropyl)), circular dichroism 1686.

conformation, effect of acid denaturation 2811.

disulphide-reduced, circular dichroism 1687.

effect of guanidinium chloride/disulphide cleaving agent, magnetic suspension densitometry-viscometry 1094.

folding transition 3255.

inhibitor complex, stability 5222.

interaction-aqueous 2-methyl-2,4-pentanediol 2438.

interaction-folic acid 1095.

introduction-lanthanide binding site 2812.

reduced, refolding reaction 3254.

resistance, RNA, role-secondary structure 3114.

spin-labelled, conformation 4556.

tyrosine residue, modification-diazonium inhibitor analogue 1688.

tyrosine residue, NMR 5221.

RNase BS-I,

activity, role-substrate ribose residue 6145.

RNase H,

activity, C-type virus (mammalian) lysate 5224.

activity, plant cell culture 5226.

activity, rat brain during development 4001.

activity, rat liver, during regeneration/development 545.

Rauscher leukaemia virus, characterization 6149.

temperature-sensitive, activity, association-RNA polymerase 15252.

5'-terminal hydrolysis during reverse transcription, avian sarcoma virus genome 4923.

RNase I,

chromatography (affinity) 2809.

complex-substrate analogue, NMR 6143.

conformation/stability, effect of heterosaccharide, pig pancreas 2083.

degradation-bacterial ribosome 3781.

interaction-ligand, binding constant determination 6150.

Physarum polycephalum, isolation/characterization 5220.

Physarum polycephalum, use-RNA sequencing 540.

renaturation kinetics 2814.

RNase II,

Escherichia coli, purification/characterization 3608.

interaction-ligand, binding constant determination 6150.

Physarum polycephalum, isolation/characterization 5220.

RNase III,

cleavage-rRNA precursor, *Escherichia coli* 3054.

cleavage-Rous sarcoma virus RNA, effect of protein p19 2665.

effect on phage T7 lysozyme mRNA size 5672.

effect on phage T7 lysozyme mRNA translation efficiency 5733.

Escherichia coli, role-motility 2810.

RNase L,

Aspergillus, characterization 6147.

Aspergillus, purification/characterization 5223.

RNase Ms,

activity, *Aspergillus saitoi*, effect of amino group modification 2085.

activity, *Aspergillus saitoi*, role-carboxy terminal structure 5225.

Aspergillus saitoi, active site, associated amino acid 4558.

Aspergillus saitoi, photooxidation/diethylpyrocarbonate modification 2813.

RNase M5,

Bacillus subtilis, model substrate 6148.

RNase O,

Escherichia coli, purification/properties 5227.

RNase Q,

Escherichia coli, purification/properties 5227.

RNase S,

analogue, active site ligand binding, chromatography (affinity) 2440.

binding-UMP (4-thio)/p-aminobenzoylglutamic acid, crystallography 6146.

complex-3'-CMP/2'-CMP, X-ray diffraction 1096.

dissociation-S-peptide, mechanism 543.

pancreatic, binding-cytidyl-(2',5')-adenosine, structure 2553.

structure 3256.

RNase S',

semisynthetic, crystallization/X-ray diffraction X-ray

diffraction, semisynthetic RNase S' 544.

synthesis, S-peptide analogue 2441.

RNase T1,

active site carboxyl group titration 1098.

activity, reovirus 3 double-stranded RNA 1100.

Aspergillus oryzae, NMR 4000.

immobilization 1099.

modification-ozone 4557.

oligonucleotide, occurrence-Moloney leukaemia virus RNA 21S 4285.

oligonucleotide mapping-murine leukaemia virus RNA 3798.

polyacrylamide derivative, preparation/properties 1689.

RNase U2,

degradation-*Escherichia coli* rRNA 5801.

Rooster,

liver, vitellogenin mRNA, induction-17 β -oestradiol 3078.

testis, chromatin structure during spermatogenesis 2492.

Rooster,(continued)

vitellogenin mRNA, effect of oestrogen 2603.

Rosa,

regulation-protein biosynthesis 2213.

Rotavirus,

associated RNA polymerase, detection 4564.

human/animal strains. RNA analysis 4832.

Rous associated virus,

genome, detection-pheasant DNA nucleotide sequence 936.

Rous sarcoma,

cell, chicken, RNA, complementarity-Rous sarcoma virus 4282.

Rous sarcoma virus,

associated DNA methylase activity 4592.

associated tRNA (guanine-2-)-methyl transferase, location/origin 3377.

genome, biosynthesis/characterization-complementary DNA, in vitro 2381.

genome, reverse transcription, association-RNA binding protein 4653.

genome RNA, restriction endonuclease cleavage site mapping 3808.

infected chicken cell, virus-specific RNA, identification 232.

replication, chick embryo cell, adenine(9-methyl)/uracil(1-methyl)/thymine(1-methyl), antiviral activity 1269.

replication, inhibition-copper-DNA/RNA complex 5841.

replication/chick embryo fibroblast transformation.

inhibition-oligodeoxyribonucleotide 2195.

reverse transcriptase + group specific antigen precursor polypeptide, translation 3487.

reverse transcriptase, assay 1143.

reverse transcriptase, inhibition-isonicotinic acid hydrazide copper complex, mechanism 5275.

reverse transcriptase, inhibition-thiosemicarbazone-metal complex 5277.

RNA, cleavage-RNase III, effect of protein p19 2665.

RNA, complementarity-chicken Rous sarcoma cell 4282.

RNA, complementary nucleotide sequence, occurrence-infected chicken cell 508.

RNA, DNA biosynthesis initiation site, nucleotide sequence 2618.

mRNA, protein-translation, gene (sarc) cell-free system 2663.

RNA, size/gene content 799.

RNA genome, occurrence-gene(src) substitution 254.

RNA translation, inhibition-oligodeoxyribonucleotide 2194.

specific RNA, distribution, hamster tumour cells 231.

specific RNA, quantitation/localization, transformed/

revertant field vole cell 3851, 4356.

transformation-chick embryo fibroblast, inhibition-adenosine (5'-deoxy-5'-S-isobutylthio) 4707.

transformed cell, RNA 60-70S formation, effect of rifamycin derivative 3472.

transformed chick embryo fibroblast, activity 582.

transformed chicken fibroblast, RNA biosynthesis, effect of α -amanitin 5752.

transformed mammalian cell, absence-adenosine deaminase activity 5283.

Rubomycin,

effect on glycogen/DNA/RNA content, mouse cardiac muscle 842.

Rye,

embryo, mRNA translation 1964.

non-viable seed, DNA degradation 4543.

S-peptide,

dissociation-RNase S, mechanism 543.

S phase,

CHO cell, effect of irradiation-induced damage, replicating DNA 3136.

CHO cell, induction-S phase DNA labelling pattern, G1 phase cell 6070.

DNA biosynthesis, detection, use-tritiated thymidine, cell culture 3565.

duration, Chinese hamster cell, effect of DNA biosynthesis inhibition-hydroxyurea/uridine (5-fluorodeoxy) 6032.

HeLa cell, histone mRNA biosynthesis, role-RNA polymerase II 4017.

initiation, 3T3 cell, association-potassium transport 4521.

Sorex araneus cell culture, DNA biosynthesis 5995.

Saccharin,

binding-DNA, rat liver/bladder 4976.

Saccharomyces,

killer factor classification 4907.

killer factor RNA, characterization 5671.

nucleotide pyrophosphatase, zinc content/requirement 1159.

protein biosynthesis, membrane-bound ribosome 4777.

Saccharomyces carlsbergensis,

mitochondrial DNA, mapping 2004, 2005, 2006.

ribosomal protein analysis 3774.

tRNA (seryl) synthetase, substrate binding site 2997, 2998.

rRNA 17S, biosynthesis-hypermodified nucleotide 1418.

rRNA 17S, 3'-terminal nucleotide sequence 263.

RNA 7S, non-ribosomal nucleotide sequence 4294.

Saccharomyces cerevisiae,

adenine/serine uptake rate, during cell cycle 66.

cell cycle, DNA/protein biosynthesis 5989.

chromatin, histone, electrophoresis 6243.

chromatin, histone composition 6270.

chromosome, cytochrome c gene, mapping 4087.

chromosome DNA, reiterated sequence 5055.

chromosome duplication, role-mitotic replication: gene during meiosis 1213.

cloned DNA, expression-*Escherichia coli*, mutation (argH) complementation 3991.

cloned DNA, mapping 5955.

cytochrome c mRNA level, glucose repression 4916.

detection-specific DNA sequence 5951.

DNA, binding-xanthene/diazene/acridine 2316.

DNA, effect of TMP starvation 2550.

DNA, mitochondria, incorporation-radioactively labelled adenosine (deoxy) 104.

DNA assay, flow cytometry 3492.

DNA biosynthesis, depressed mutant 5192.

DNA biosynthesis, inhibition-8-hydroxyquinoline during meiosis 5133.

DNA biosynthesis during cell cycle 979.

DNA-protein cross-linking, induction-UV-irradiation/formaldehyde 5871.

DNA repair, effect on mitotic recombination/mutation 5191.

DNA replication, control-gene (cdc) 1620.

DNA/RNA content, relationship-high molecular weight

***Saccharomyces cerevisiae*, (continued)**

- polyphosphate content, during dehydration 5199.
 DNA-unwinding protein, purification/characterization 6309.
 endonuclease, isolation/characterization 5206.
- episome expression, RNA-DNA hybridization study 1076.
- gene (mak), requirement, killer maintenance 5193.
 histone, characterization 6248.
 hydrazine-induced mutability, DNA repair 4489.
 γ -irradiation, DNA repair, relationship-nuclear division 6025.
- killer factor double stranded RNA, biosynthesis 306.
- killer plasmid, replication 2055.
 meiosis, DNA denaturation 5056.
 mitochondrial DNA, antibiotic resistance-carrying segment, characterization 3175.
 mitochondrial DNA, coenzyme QH₂: cytochrome c reductase gene mapping 5954.
 mitochondrial DNA, gene loci mapping 5054.
 mitochondrial DNA, identification-cytochrome c oxidase gene 5052.
- mitochondrial DNA, localization-variant protein gene 964.
- mitochondrial DNA, mapping 2004, 2005, 2006.
 mitochondrial DNA, mapping-locus *tsr* 1 5952.
- mitochondrial DNA, mutation model 1079.
- mitochondrial DNA, region, preferential deletion-ethidium bromide/3-carbethoxypsoralen 5866.
 mitochondrial DNA, replication 5987.
- mitochondrial DNA, RNA 4S gene, mapping 963.
 mitochondrial DNA biosynthesis, regulation 981.
- mitochondrial DNA mutation, effect on ribosome interaction-mitochondrial membrane 5634.
- mitochondrial ribosomal protein, electrophoresis 204.
- mutagenesis, induction-N-methyl-N'-nitro-N-nitrosoguanidine 6027.
 mutant, occurrence-multiple isoaccepting tRNA 2990.
- mutant (petite), recombinant mitochondrial DNA, organization, electron microscopy 961.
- mutant (rna1), polyribosome, rRNA/mRNA transport 4908.
- nuclear DNA content, chromosome organization 355.
 nucleotide, separation/identification, use-chromatography (anion-exchange) 687.
- plasmid DNA, characterization 4985.
 protein biosynthesis capacity 3085.
 protein kinase, purification/characterization, phosphorylation-ribosomal protein 2852.
 purine transport, mechanism 5432.
 pyrimidine dimer excision, assay 4488.
 radiation-sensitive mutant, pyrimidine dimer repair 3206.
 repair-psoralen (3-carbethoxy) induced DNA damage 4407.
- repetitive rRNA gene, Mendelian inheritance 1077.
- respiration deficient, transformation-mitochondrion 5194.
 ribosomal protein, antigen relationship-*Escherichia coli* ribosomal protein 30S 3392.
 ribosomal protein, biosynthesis/turnover 1905.
 ribosomal protein, characterization, electrophoresis 4785.
 ribosomal protein, nonsense suppression, characterization 2586.
 ribosomal protein L30, role-recessive suppression 4791.
- ribosomal protein L7/L12, amino acid sequence, comparison-*Artemia salina* 764.
- ribosome, identification-tRNA Phe binding site, use-affinity labelling 4799.
 ribosome biosynthesis during life-span 1904.
 rRNA, molecular weight, relationship-viscosity 2264.
 tRNA, 5'-terminal phosphate, turnover 5578.
 RNA biosynthesis, characterization, during meiosis 1440.
 RNA degradation, induction-heat shock 4924.
 rRNA gene, characterization 3546.
 rRNA gene, mapping 2728.
 rRNA gene, organization 1547.
 rRNA gene, restriction endonuclease analysis 4455.
 rRNA gene magnification 4932.
 RNA polymerase I, initiation-DNA biosynthesis 6177.
 rRNA transcription, effect of ribosomal protein biosynthesis 4890.
 RNA 20S biosynthesis 3453.
 RNA 20S-containing ribonucleoprotein, purification 3648.
 rRNA 5S gene, localization 3448.
 rRNA 5S gene, nucleotide sequence 2729.
 RNase (exo), properties 5218.
- small circular DNA, analysis 962.
 sphaeroplast, DNA biosynthesis 978.
 spindle pole body, RNA 783.
- temperature-sensitive mutant, RNA biosynthesis 4893.
 uracil transport 1831.
 uridyl transferase mRNA, induction, dependence-gene (GAL4) 4537.
 virus-like particle, double-stranded RNA, characterization 4825.
- Saframycin A**,
 inhibition-RNA biosynthesis, mechanism, L1210 cell 5748.
Saimiri sciureus,
 characterization-chromosome 619.
- occurrence-retrovirus DNA sequence 4930.
- Salivary gland**,
Drosophila melanogaster, RNA biosynthesis, stimulation ecdysone, assay 296.
- Salmo gairdnerii**,
 DNA, protamine gene amplification 2362.
 rRNA 5-8S, nucleotide/sequence 4843.
 rRNA 5S, nucleotide sequence 2628.
 testis, protamine mRNA, nucleotide sequence 2265.
 testis, protamine mRNA, isolation/purification 4819.
- Salmo trutta**,
 histone H2b, primary structure 6247.
- Salmon**,
 testis, DNA nicking-closing enzyme, characterization 3278.
- Salmonella abony**,
 UV-irradiation, radiosensitivity/DNA repair 2756.

Salmonella typhi,

plasmid F, me. characterization 2340.

Salmonella typhimurium,

cytidine (N⁴-hydroxy) reduction 2174.

DNA, damage-chloramphenicol 383.

DNA, detection-gene (tuf) 5808.

DNA processing mutant, detection 6122.

DNA repair, UV-irradiation induced damage 1592.

UV-irradiation, radiosensitivity/DNA repair 2756.

mutagenesis, 1,2-ethylene sulphate/1,3-propylene sulphate/1,3-butylene sulphate 3505.

operon (trp), initial transcribed region, nucleotide sequence, comparison-Salmonella typhimurium 5038.

operon (trp), promoter-operator region, nucleotide sequence 5039.

operon (trp), structure/regulation-transcription termination 1955.

operon (trp) Escherichia coli, operator-region trp operon, interaction-RNA polymerase 6167.

plasmid-chromosome complex, role-plasmid replication 5349.

plasmid F, me. characterization 2340.

R factor, characterization 3520.

ribosomal protein/RNA vaccine, immunity induction, mouse 5781.

RNA polymerase, β -subunit mutation, effect on transcription 2093.

tRNA precursor processing defective mutant 5561.

rRNA 5S, carbon-13-labelled uracil, NMR 4839.

strain supK, tRNA methylase, substrate identification 3759.

transduction-phage P22, prophage excision defect 6109.

2-bromo-2-chloro-1,1-difluoroethane, mutagenesis 5865.

Salmonella wien,

plasmid F, me. characterization 2340.

Salt,

concentration, effect on DNA/RNA/protein content,

Lycopersicon esculentum 364.

effect on ribosomal protein phosphorylation, rat liver 2227.

Saprolegnia diclina,

satellite DNA, fractionation-density gradient centrifugation 1491.

 α -Sarcin,

inhibition-tRNA (aminoacyl) binding-ribosome 1910.

Sarcoma,

cell, mouse, methotrexate-resistant, dihydrofolate reductase gene multiplication 5197.

human, DNA, detection-C-type virus-related gene 5819.

Satellite DNA,

bovine, restriction endonuclease mapping 3555.

Chironomus melanotus, co-replication-mainband DNA during polytenization 3927.

chromosome Y, localization-male-specific DNA fragment 4465.

circular, *Chlamydomonas reinhardtii* 1548.

conservation/chromosome localization, whale 2735.

content, mouse liver nucleus restriction endonuclease EcoRI-digested chromatin 4061.

denaturation during chromatography-mouse chromatin 969.

Drosophila melanogaster, analysis, use-restriction endonuclease MboII 1552.

Drosophila nasutoides /*Pagurus pollicaris*, first-neighbour frequency, circular dichroism 3548.

fate, human chromosome translocation 13-14 2898.

function, role-heterochromatin, *Drosophila melanogaster* 2888.

human, complementary sequence distribution, chimpanzee/gorilla/orang utan chromosome 450.

L cell chromatin, accessibility-*Escherichia coli* RNA polymerase 2094.

Linum usitatissimum /*Cucumis sativus*, analysis 1567.

localization, *Tropaeolum majus* 3934.

mouse, binding-microtubule-associated protein, hog brain 5362.

organization, mouse primary/sarcoma/L-cell chromosome 1212.

Pagurus pollicaris, nucleotide sequence 2361.

relationship-phosphorylated histone H1, *Drosophila virilis* 2883.

review 2919.

Saprolegnia diclina, fractionation-density gradient centrifugation 1491.

sequence, *Dipodomys ordii*, comparison-*Cavia porcellus* /*Thomomys bottae* /*Amospermophilus leucurus* 971.

sequence, localization *Peromyscus eremicus* metaphase chromosome 1782.

underreplication/localization, *Drosophila melanogaster* 1485.

Satellite RNA,

cucumber mosaic virus, replication/survival, in vivo 4869.

Satellite tobacco necrosis virus,

RNA, characterization/molecular weight determination 806.

RNA, translation, inhibition-GMP (7-methyl), effect of potassium concentration 1466.

RNA, X-ray diffraction 3916.

mRNA translation, inhibition-GTP (7-methyl), cap analogue 4724.

Scenedesmus acutus,

sulphur-containing nucleotide peptide complex, isolation/activity 1852.

Scenedesmus obliquus,

purification-tRNA Met 1872.

tRNA, properties 1880.

uptake/fate-bacterial DNA 1646.

Schistosoma mansoni,

adenine nucleotide/guanine nucleotide synthesis, inhibition-adenosine(7-deaza)/adenosine(N⁶-phenyl) 679.

Schizophyllum commune,

DNA replication during meiosis 5076.

Schizosaccharomyces pombe,

cycloheximide resistant, ribosomal protein characterization 1901.

poly (A)-containing mRNA biosynthesis regulation 3067.

tRNA Phe, nucleotide sequence 2991.

Sciara coprophila,

heterochromatin, localization-rRNA gene 1768.

Scrapie,

infection, mouse, effect on poly (A)-containing RNA metabolism 4322.

Sea urchin,

chromatin, nucleosome-like structure, nascent DNA 5340.

deoxyribonucleoprotein, structure/template activity 6258.

egg, messenger ribonucleoprotein, characterization 4602.

egg, messenger ribonucleoprotein, template activity 4365.

egg/embryo, cytoplasmic poly (A) polymerase content 3749.

egg/embryo, localization-histone mRNA 5656.

embryo, chromatin analysis during development 1206.

embryo, DNase (ATP-dependent), DNA relaxing activity 3260.

embryo, mitochondrial RNA biosynthesis during cleavage 2636.

embryo, polyribosome formation 2219.

embryo, RNA (DNA-like), fractionation-chromatography

Sea urchin,(continued)

(MAK column) 785.
 embryo, RNA sequence distribution 4842.
 fertilization, chromatin, protein component 4633.
 histone, separation-ribosomal protein, electrophoresis 6249.
 maternal <?m>RNA, appearance/persistence-embryo 336.
 unfertilized egg, RNA biosynthesis 2635.

Secale cereale,

endonuclease, purification/characterization 4549.

histone H1/histone H2A/histone H2B/, amino acid sequence, comparison-thymus 601.

ribonucleoprotein (messenger), sedimentation properties 591.

Seminal vesicle,

mouse, hormonal regeneration, thymidine kinase/<5'->nucleotidase activity 578.

rat, RNA biosynthesis/DNA biosynthesis/protein biosynthesis, effect of 4-nitro-3-trifluoromethylisobutylanilide 1427.

Semliki Forest virus,

capsid protein association-HeLa cell ribosome 1228.
 double-stranded-RNA, detection, radioimmunoassay 1385.
 infected BHK-21 cell, RNA 26S/RNA 42S biosynthesis, control mechanism 3076.

infected chick fibroblast, RNA biosynthesis, effect of nonstructural protein 5739.

RNA 42S, translation product, analysis 1467.

temperature sensitive mutant, RNA biosynthesis 834.

Sendai virus,

associated RNase (endo), properties 1684.

genome RNA, 5'-terminal structure 3046.

RNA, interaction-proflavine 3430.

RNA biosynthesis complex, identification, Ehrlich ascites carcinoma nucleolus 292.

Serine,

effect on cytidine(deoxy)/thymidine incorporation-DNA, rat thymocyte 1286.

D-Serine deaminase,

biosynthesis, regulation 3236.

Serratia marcescens,

airborne, DNA biosynthesis 975.

dextran-bound nuclease, antitumour activity 1670.

prodigious, effects on DNA biosynthesis, rats, liver 453.

Serum,

effect on DNA biosynthesis, adrenocortical tumour cell 1583.

schizophrenic human, effect on DNA biosynthesis.

phytohaemagglutinin-stimulated lymphocyte 502.

stimulation-DNA biosynthesis, rat cell culture 2783.

stimulation-human fibroblast, effect on nuclear ribonucleoprotein nonhistone protein/chromatin 607.

Sex factor,

Streptomyces coelicolor plasmid SCP2, characterization 4990.

Sheep,

duodenum, nitrogen marker, use-RNA 4359.

liver, protein biosynthesis, measurement, use-tRNA Lys aminoacylation 2579.

spermatid, nuclear protein, characterization 3650.

thyroid gland, mRNA, molecular weight determination 1414.

Sheep pox virus,

DNA, acridine orange staining, sheep thyroid 353.

Shigella flexneri,

dysentery, mouse, effect of yeast RNA 3099.

infection, mouse, effect of RNA 4927.

Shigella sonnei,

DNA, adenine (N⁶-methyl) content 394.

Shigella stutzeri,

DNA, adenine (N⁶-methyl) content 394.

Shope fibroma virus,

effect on vesicular stomatitis virus adsorption/replication, rabbit kidney cell 3582.

facilitation-vesicular stomatitis virus replication, rabbit kidney cell 5094.

Sibromycin,

complex formation-DNA 382.

Silena alba,

RNA, poly(A) sequence size, dependence-isolation temperature 241.

Silver,

banding, localization-rRNA gene, *Rhynchosciara hollanderi* chromosome 6296.

complex-DNA, circular dichroism 3867.

cytidine/guanosine complex, NMR 2169.

Simian foamy virus,

reverse transcriptase, purification/properties 1141.

Simian sarcoma-associated virus,

protein biosynthesis, human cell 1911.

Simian sarcoma virus,

DNA polymerase, inhibitor-tilorone analogue 4023.

provirus DNA, susceptibility, productively infected cell 3973.

reverse transcriptase, binding-tRNA 4031.

Simian virus SA12,

DNA, characterization 937.

Simian virus 5,

RNA replicase complex, activity/properties 1127.

Sindbis virus,

genome, effect of urea, absence-subgenomic RNA, infected Vero cell 835.

RNA, interaction-p-nitrophenyl-p'-guanidinobenzoate 793.

RNA, poly (A)/poly (U) content 4826.

RNA biosynthesis, effect of ouabain, ouabain sensitive/resistant *Aedes albopictus* 4315.

specified, RNA biosynthesis, regulation, role-virion core protein 3460.

Sinoatrial node,

DNA biosynthesis during cardiogenesis, mouse heart 466.

Sister chromatid exchange,

Chinese hamster cell, induction-Hoechst 33258 + uridine (5-bromodeoxy) 6290.

CHO cell, effect of ethyl methanesulphonate/mitomycin C/proflavine sulphate/ethyl nitrosourea 6289.

CHO cell, induction-8-methoxypsoralen + UV-irradiation 6298.

frequency, human lymphocyte, effect of γ -irradiation 5345.

frequency, human/pig/rabbit lymphocyte 6302.

human, relationship-DNA repair 2137.

human xeroderma pigmentosum cell, use-DNA damage indicator 2037.

induction-mitomycin C/ethyl methanesulphonate, SV40-transformed hamster cell line, relationship-virus induction 4645.

review 5377.

role-chromosome aberration formation 1215.

Skeletal muscle,

nucleus, rat, RNA polymerase A/RNA polymerase B assay 1124.

Small intestine,

mouse, DNA biosynthesis, effect of-hydrocortisone hemisuccinate 1003.

Smittia,

egg, UV-irradiation-treated, RNA photoreactivation 4821.

- Snowshoe hare virus**, recombinant formation-La Crosse virus 1456.
- Sodium**, effect on yeast tRNA Phe unfolding 4202.
- Sodium azide**, stimulation-N-methyl-N-nitrosourea-induced DNA repair. *Hordeum* 4502.
- Sodium bisulphite**, effect on *Escherichia coli* ribosome conformation 1360. interaction-phage SD DNA 365.
- Sodium butyrate**, effect on histone acetylation, HeLa cell 5303. histone acetylation 4052. inhibition-histone deacetylation, cell culture 3652. treatment, HeLa cell, effect on acetylated histone H3/histone H4 accumulation/DNA degradation-DNase I 6238.
- Sodium chlorate**, effect on poly (U)-adenosine interaction 3737.
- Sodium chloride**, concentration, effect on chromatin-ethidium bromide binding. fluorescence 4643. concentration, effect on phage T2 high-molecular weight DNA physical properties 3525. effect on poly (U)-adenosine interaction 3737. effect on tRNA (aminoacyl) synthetase 174.
- Sodium deoxycholate**, extraction-SV40 DNA, CV1 cell, effect on superhelical density 5019.
- Sodium fluoride**, effect on DNA metabolism during osteoporosis, human 6066. inhibition-nucleoside diphosphatase isoenzyme, onion root 1737.
- Sodium ion**, binding-chromatin, NMR 5344. effect on chromatin structure transition 2133. effect on DNA melting temperature 411. effect on repressor(lac) operator DNA interaction 1807.
- Sodium sulphate**, effect on poly (U)-adenosine interaction 3737.
- Solanaceae**, DNA content, effect of crown gall tumour induction 4381.
- Solanum tuberosum**, leaf, RNase distribution, effect of freezing/thawing 2805.
- Sorex araneus**, cell culture, DNA biosynthesis during S phase 5995.
- Southern bean mosaic virus**, dissociation/reassembly in vitro 626.
- Sowbane mosaic virus**, dissociation/reassembly in vitro 626.
- Soybean**, DNA, sequence organization 4469. fate-*Agrobacterium tumefaciens* /*Micrococcus lysodeikticus* DNA 6088.
- IR-Spectroscopy**, adenine, complex-platinum/palladium 635. calf thymus/leukaemia leucocyte DNA, structure, effect of irradiation 3883. copper-thiosemicarbazide complex, interaction-DNA 1513. determination- tRNA base-pair content 169. *Escherichia coli* ribosomal protein S4 conformation 200. guanine-copper complex 1258. poly (A-U)/poly (A)/poly (U) 4730. pyrimidine (2-halogen) 1261. pyrimidine(2-hydrazino-4-hydroxy-6-methyl) complex-copper/cobalt/zinc/nickel 52.
- UV-Spectroscopy**, copper-thiosemicarbazide complex, interaction-DNA 1513. cytosine/cytosine (5-aza)/cytosine (6-aza) 3338. poly (A), effect of pH 5548. uracil (5-halo) 4689.
- Spermatid**, mouse, γ -irradiation mutagenicity, effect of DNA 3978.
- Spermatocyte**, mouse, γ -irradiation mutagenicity, effect of DNA 3978. *Odontophrynus americanus*, chromatin structure 4625. rat testis, RNA biosynthesis in vitro 282.
- Spermatozoa**, bovine, RNA biosynthesis 314. DNA repair, methyl methane sulphonate-treated rabbit 6030. ram, mitochondrial DNA, characterization 4462.
- Spermidine**, binding-protonated tRNA 4742. effect on *Escherichia coli* RNA polymerase 2453. induced condensation, phage T7 DNA, electron microscopy 382. induction-A-form-B-form transition, DNA 4419. interaction-DNA, conformation 3889. interaction-DNA, effect on conformation-solution 3513.
- Spermine**, binding-protonated tRNA 4742. binding-yeast tRNA Phe, X-ray diffraction 2567. effect on *Escherichia coli* RNA polymerase 2453. effect on rabbit globin m RNA translation, cell-free system 193. induction-A-form-B-form transition, DNA 4419. stimulation-bovine submaxillary gland RNase 2436.
- Sphaeroplast**, *Saccharomyces cerevisiae*, DNA biosynthesis 978.
- Spilogale putorius**, occurrence-retrovirus DNA sequence 4930.
- Spinacea oleracea**, DNA, characterization 2367.
- chloroplast DNA, rRNA gene mapping 5071. plastid, rRNA, molecular weight determination 3061.
- Spirodela oligorrhiza**, alkaline phosphatase/RNase activity, effect of phosphate deficiency 529.
- plastid, mRNA biosynthesis during greening, effect of light 4345.
- Spirogyra**, chromatin, nonhistone protein characterization 4057.
- Spleen**, cell, mouse, antitumour antibody synthesis, induction-immune RNA 3641. cell, parvovirus (bovine)-infected, DNA polymerase activity 5256. colony-forming cell, effect of poly (I-C), mouse 2193. mammalian, RNA extraction 5667. mouse, DNA biosynthesis, effect of-hydrocortisone hemisuccinate 1003. mouse, immunized, accumulation-immunoglobulin mRNA 2659. mouse, nuclear RNA biosynthesis during immune response 1448. rat, DNA biosynthesis/RNA biosynthesis, circadian rhythm 464. rat, DNA biosynthesis/RNA biosynthesis, effect of γ -irradiation 1595. rat, DNA content during hypoxia adaptation 358. rat, DNA polymerase activity, effect of irradiation/

Spleen,(continued)

exogenous DNA 1715.
 rat. DNA/RNA metabolism, regulation-corticosteroid during mechanical trauma 838.

Spleen focus-forming virus,
 genome RNA, sequence analysis 5682.

Spleen necrosis virus,
 DNA, integration site, infected chicken cell DNA 6111.

Spodoptera,
 nuclear polyhedrosis virus, characterization DNA 445.

Spodoptera frugiperda,
 cell culture, replication-nuclear polyhedrosis virus, effect of cytosine arabinoside 119.

cell line, nuclear polyhedrosis virus replication, DNA characterization 5916.

Spring viraemia of carp virus,
 RNA replicase, characterization 4574.

Sputum,
 DNA content, relationship-bronchopulmonary infection 359.

Squamous cell,
 metaplastic/neoplastic, nuclear DNA content 5820.

Squirrel monkey retrovirus,
 provirus sequence, content, primate DNA 5065.

Staphylococcal nuclease,
 action mechanism 541.
 antibody, mouse, gene mapping 5964.

Staphylococcus,
 DNA homology 3172.
 identification, use-DNase activity 5228.

Staphylococcus aureus,
 DNase, antibody, detection method 3644.

nuclease, assay 5205.
 nuclease B, characterization 1671.

phage 52HJD-infected, DNA replication 992.

plasmid DNA, isolation 5831.
 plasmid pSN1, restriction endonuclease cleavage map 4427.

plasmid pS194/pC194, characterization 5893.
 protein A, stimulation-DNA biosynthesis, human B/T-lymphocyte 5148.

purine/pyrimidine pool formation, inhibition-heliomycin 4692.

restriction endonuclease, DNA site-specific, isolation/characterization 6154.

ribosome, stability, association-magnesium ion 3771.

RNase/ATPase/phosphatase activity, effect of histone 3295.
 temperature-sensitive mutant, DNA/plasmid replication/cell division 5189.

tetracycline-resistance plasmid, temperature-sensitive replication 5123.

Starvation,
 effect on DNA biosynthesis/DNA content, *Tetrahymena pyriformis* 2045.

effect on protein biosynthesis, rat stomach mucosa ribosome, cell-free system 2226.

Stenodus,
 DNA structure, comparison-*Leucichthys* /*Coregonus* /*Prosopium* / 5059.

Steroid,
 binding protein, rat prostate gland, synthesis, *wheat germ* /*Xenopus* 3004.

Stichococcus bacillaris,
 sulphur-containing nucleotide-peptide complex, isolation/activity 1852.

Streptococcus,
 DNA, base composition 2355.
 lysis, isolation-plasmid DNA 4943.

Streptococcus faecalis,
 DNA/RNA biosynthesis, effect of cerulenin 3951.
 plasmid, chromosome determinant transfer 5173.
 plasmid β , transfer 6096.
 protein biosynthesis, inhibition-ochratoxin A 4219.

Streptococcus faecium,
 DNA accumulation during cell cycle 6075.

Streptococcus mutans,
 plasmid DNA, characterization 5887.

Streptococcus pneumoniae,
 binding/uptake-DNA, role-endonuclease 1645.
 DNA damage during thymineless death 1543.

DNA-membrane fraction. DNA polymerase activity, stimulation-glycolipid 6194.

DNA recombination, inhibition-daunomycin 1658.
 hex enzyme activity, effect of homologous/heterologous DNA 1743.

transfection-phage Dp-4 DNA 3983.
 transformation, heterologous DNA 1657.

Streptococcus pyogenes,
 lincomycin zonal resistance, role-DNA 5156.
 phage A25 replication, interference mechanism 5088.

Streptococcus sanguis,
 bound transforming DNA, fate 2796, 2797.
 lysate factor, inactivation-heterospecific transforming DNA 4524.

plasmid, erythromycin/lincomycin/vernamicin Ba resistance, characterization 3905.
 transformation, integration-DNA 1655.

Streptolydigin,
 resistance, *Bacillus subtilis*, role-RNA polymerase β' -subunit 6168.

Streptolysin O,
 effect on nucleoside transport, HeLa cell 5502.

Streptomyces,
 DNA, isolation method 3498.

Streptomyces albus,
 restriction endonuclease, analysis-adenovirus (human) 6 DNA 2721.

Streptomyces albus G,
 endonuclease, purification/characterization 4547.

Streptomyces aureofaciens,
 isolation/characterization-DNA 2313.

Streptomyces coelicolor,
 DNA, genome size, determination 4452.

plasmid SCP2 sex factor, characterization 4990.

Streptomyces erythreus,
 rRNA 23S methylation, relationship-erythromycin resistance 4840.

Streptomyces granaticolor,
 RNA biosynthesis/DNA biosynthesis/protein biosynthesis, during spore germination 976.

Streptomyces griseus,
 guanosine tetraphosphate/pentaphosphate content 4725.

Streptomyces lysosuperficus,
 tunicamycin, nucleoside antibiotic, structure 2945.

Streptomycin,
 effect on *Escherichia coli* ribosome conformation 5632.
 interaction-ribosome, effect on messenger misreading 3400.
 use-ribonucleoprotein(messenger) separation, *Acheta domestica* accessory gland/chick embryo tissue 595.

Streptoal C,
 inhibition-deoxynucleotidyltransferase (terminal), human leukocyte, leukaemia/normal 6203.

Streptovarone,

inhibition-deoxynucleotidyltransferase (terminal), human leukocyte, leukaemia/normal 6203.

Stringent factor,

Escherichia coli, activation-tRNA, requirement-3'-terminal purine 3758.

Strongylocentrotus droebachiensis,

DNA nonrepetitive sequence, evolution 2730.

DNA repetitive sequence, evolution 1549.

Strongylocentrotus franciscanus,

DNA nonrepetitive sequence, evolution 2730.

DNA repetitive sequence, evolution 1549.

Strongylocentrotus intermedius,

protein kinase, histone H1 phosphorylation site 2125.

Strongylocentrotus purpuratus,

development, histone gene transcription 4855.

development, histone H2a/H2b mRNA biosynthesis 4856.

DNA nonrepetitive sequence, evolution 2730.

DNA repetitive sequence, evolution 1549.

egg, DNA biosynthesis, effect of pH 1037.

histone gene, repetitive, length/sequence heterogeneity 5058.

histone gene transcript, characterization 5709.

RNA biosynthesis rate during development 819.

tubulin mRNA translation, deciliation, effects on 312.

Stylonychia mytilus,

chromatin, template activity 3670.

homologous RNA translation 3853.

nucleus, ribonucleoprotein 5299.

Subacute sclerosing panencephalitis,

membrane protein mRNA, comparison-measles virus 5688.

Submandibular gland,

mouse, epidermal growth factor/amylase secretion,

stimulation-cytidine (cyco) 1844.

Submaxillary gland,

bovine, RNase, purification/stimulation-spermine 2436.

Succinic acid,

effect on ribosome activity/structure, *Escherichia coli* 2223.

Sulphuric acid,

use-RNA isolation, rat liver/kidney/testis 4270.

Sulphuryl chloride,

use-adenosine transformation-adenosine(cyco) 664.

Sunhemp mosaic virus,

mixed infection-tobacco mosaic virus, coat protein mRNA characterization, *Nicotiana glutinosa* 2658.

Suppressor,

tRNA Trp, codon specificity, *Escherichia coli* 1881.

Suppressor (SUP4-o),

tyrosine-insertion, identification, yeast 1662.

SV40,

mRNA biosynthesis, hypothesis, review 17.

mRNA maturation mechanism 291.

mRNA 16S/ mRNA 19S, cap structure 256.

adenovirus (human) 2 hybrid, characterization/DNA sequence analysis 3534.

T-antigen, stimulation-RNA biosynthesis, rat liver isolated nucleolus 5766.

T-antigen, synthesis/properties, cell-free system 2575.

chromatin, interaction-antigen T 2887.

chromatin structure 6261.

chromatin structure, comparison-*Escherichia coli*/Ehrlich ascites cell 6275.

cloned substituted DNA, restriction endonuclease cleavage mapping 5918.

closed circular/superhelical DNA, interaction-histone H1 4612.

defective genome, DNA sequence 5017.

deletion mutant, DNA, physical properties/genetic analysis 2717.

DNA, accumulation during replication 3938.

DNA, T-antigen carboxyl terminal coding region, nucleotide sequence 4445.

DNA, binding/transcription-*Escherichia coli* RNA polymerase 1705.

DNA, circular dimer, structure/formation 2716.

DNA, effect on *Xenopus laevis* oocyte extract 3593.

DNA, interaction-DNA-unwinding protein 1797.

DNA, modification-benzo(a)pyrene metabolite 2318.

DNA, modification-N-cyclohexyl-N'- β -(4-methylmorpholinium) ethylca, effect on in vitro transcription 1984.

DNA, nucleotide sequence 3535, 5029.

DNA, oncogenicity-Syrian golden hamster 1055.

DNA, properties, review 4664.

DNA, restriction endonuclease EcoRII-F/EcoRII-H fragment, nucleotide sequence 5921.

DNA, restriction endonuclease fragment Hind-F-Eco RI, nucleotide sequence 4444.

DNA, restriction endonuclease Hind-G fragment, nucleotide sequence 4447.

DNA, restriction endonuclease HindIII/HindIII-G fragment, nucleotide sequence 5922.

DNA, restriction fragment preparation, agarose gel electrophoresis 3126.

DNA, superhelical density, effect of sodium deoxycholate extraction, CV1 cell 5019.

DNA, T antigen-related protein binding site 2347.

DNA, transcription-BSC-1 cell 294.

DNA, transcription-transformed 3T3 cell 841.

DNA, transcription-translation, *Xenopus laevis* oocyte 1653.

DNA biosynthesis, association mutation frequency 475.

DNA cleavage, *Thermus aquaticus* restriction endonuclease Taq I 3910.

DNA fragment containing monkey cell, rescue-infectious virus 3603.

DNA-histone complex, characterization, use-4,5',8-trimethylpsoralen 5311.

DNA replication, effect of adenovirus (human) 2 6003.

DNA replication, Okazaki fragment growth direction, during 5980.

DNA replication, transformed hamster kidney cell, induction- γ -irradiation/mitomycin C 6019.

DNA replication origin, nucleotide sequence, comparison-polyoma virus 2350.

DNA transcription/replication, template activity, monkey cells 3462.

early, transcription complex, characterization 2634.

early gene, organization/expression 2419.

gene (A) product, role-DNA biosynthesis regulation, transformed hamster cell 6014.

genome, localization-mRNA 16S 5'-terminal/coding region 2352.

genome DNA, structure 3915.

host-substituted DNA, transcription, monkey kidney cell 1423.

induction, transformed hamster kidney cell, effect of caffeine 5108.

infected monkey cell, viral <?m>RNA translation, inhibition-interferon 189.

infected monkey kidney cell, DNA-protein complex, characterization 624.

SV40,(continued)

infection, BSC-1, histone biosynthesis during 1758.
infection, effect on tritium labelled uridine incorporation-
RNA, CV1 cell 128.
late mRNA, structure, electron microscopy 3800.
late mRNA 5'-terminal, complementary DNA nucleotide
sequence 5026.
mutagenesis, DNA base substitution 4532.
nascent DNA, distribution-5'-terminal oligonucleotide 2349.
nicked DNA, polyethylene glycol condensed, ligation 3151.
non-mRNA RNA sequence, biosynthesis/degradation 5983.
nucleoprotein complex, interaction-rat liver DNA unwinding
protein 3646.
nucleoprotein complex, transcription in vitro 1791.
nucleoprotein core, model 1172.
Okazaki fragment biosynthesis, during DNA replication,
asymmetry 1034.
oligomeric DNA, biological properties, infection/
transformation 6080.
protein VP2/protein VP3 gene, nucleotide sequence 5027.
replicating DNA, association-histone 1756.
replicating DNA, identification-RNA-DNA covalent linkage
2017.
replicating nucleoprotein complex, associated DNA
polymerase α , characterization 4577.
replication, monkey kidney cell, effect of uridine (5-iodo-2'-
deoxy) pretreatment 1848.
restriction, *Escherichia coli* B restriction endonuclease
recognition site DNA 5900.
restriction endonuclease Hind-D fragment, nucleotide
sequence 4441.
restriction endonuclease Hind-K fragment, nucleotide
sequence 5023.
RNA, psoralen derivative photochemical cross-linking-
double-stranded DNA template 4272.
mRNA, 5'-terminal localization 5677.
mRNA 16S structure 4828.
specific mRNA, 5'-terminal capped structure
characterization 3435.
spliced early mRNA, mapping 3048.
temperature-sensitive mutant recombination, DNA,
restriction endonuclease mapping 1652.
transformed 3 T3 cell, DNA chain elongation regulation
478.
transformed BALB/c 3T3 cell, DNA replication site 1565.
transformed cell, RNA transcription 5741.
transformed GMK cell/infected CV-1 cell, ribosomal protein,
characterization 4226.
transformed hamster cell line, relationship-mitomycin C/
ethyl methanesulphonate induction-virus/sister chromatid
exchange 4645.
transformed nonproducer cell, occurrence-free virus DNA
5805.
transformed 3T3 cell, ribosome activity, protein biosynthesis
cell-free system 1351.
tumour antigen gene, nucleotide sequence 5024.
variant, DNA, comparison 3167.
variant, DNA replication origin-containing, construction
3984.
***Synechococcus*,**
ribonucleoside diphosphate reductase, distribution 3638.
Syrian hamster,
melanoma cell, uridine(5-bromodeoxy) suppression-
pigmentation, effect of cytidine(deoxy) 681.
mitochondrial tRNA (leucyl)/tRNA (methionyl), molecular
weight 3374.
oncogenicity-SV40 DNA 1055.

tRNA Leu/tRNA Met, guanosine (7-methyl) content 2992.
Systemic lupus erythematosus,
anti-DNA/RNA antibody biosynthesis, role-T lymphocyte
suppressor cell, human 3285.
anti-ribosome autoantibody incidence, man 588.
DNA antibody, antigenic determinant size-DNA,
comparison-rabbit antibody 592.
DNA antibody, avidity/valency, human 2480.
DNA antibody detection, use-diagnosis 6232.
human, DNA antibody, effect on RNA biosynthesis 2656.
role-DNA antibody, review 1239.

T-even phage,

Escherichia coli , chromosome replication 6299.

Tacaribe virus,

RNA, characterization 3799.

***Taenia crassiceps*,**

mRNA, translation, cell-free system 311.

Tamiami virus,

RNA, characterization 3799.

Terbium ion,

fluorescence, DNA/RNA solution 787.

***Terrapena carolina*,**

rRNA 5S, nucleotide sequence 1411.

Testis,

bovine, histone characterization 1759.

Carcinus maenas , tRNA methylation, inhibition-androgenic
gland extract 721.

mammalian, sperm histone, phosphorylation during
spermiogenesis 4618.

rat, histone analysis during postnatal development 4607.

Testosterone,

effect on RNA biosynthesis, *Pseudomonas testosteroni* 1424.

regulation-mRNA biosynthesis, rat ventral prostate 4328.

Tetachloropalladate,

adenosine/adenosylcobalamin complex, spectroscopy 2168.

Tetraalkylammonium bromide,

effect on DNA melting point 2327.

Tetracycline,

interaction-*Escherichia coli* ribosome 214.

resistance, determinant, gene organization 4992.

resistance, *Haemophilus parainfluenzae* , plasmid R
mediated transfer 1650.

12-O-Tetradecanoyl-phorbol-13-acetate,

effect on DNA biosynthesis, mouse skin 2777.

induced, DNA biosynthesis, effect of fluocinolone acetonide,
mouse epidermis 1038.

inhibition-DNA biosynthesis during mixed lymphocyte
response 2406.

stimulation-histone biosynthesis, mouse epidermis 1761.

***Tetrahymena*,**

G1 phase, relationship-DNA content 977.

protein/DNA/RNA biosynthesis, effect of cycloheximide
4776.

***Tetrahymena pyriformis*,**

chromatin repeat unit analysis 1770.

DNA biosynthesis/DNA content, effect of starvation 2045.

DNA replication/function during synchronous growth 2019.

DNA/RNA/protein content during synchronous growth
3584.

endonuclease, properties 2429.

genome, distribution-repetitive DNA sequence 5947.

induction-TMP synthetase 1747.

macronucleus, DNA, characterization 5948.

***Tetrahymena pyriformis*, (continued)**

macronucleus, DNA replication 5985.
 macronucleus, preparation-rRNA gene-containing chromatin 4637.
 macronucleus, rRNA gene-containing chromatin, histone composition 4638.
 mitochondria, absence-symmetrical RNA transcription 3065.

mitochondrial DNA, alkali stability 448.

nucleoside phosphorylase activity during cell cycle 1733.

occurrence-rRNA gene 1075.

replicative intermediate DNA, maturation, effect of cycloheximide 4506.

ribosomal protein, effect of protein starvation 202.

ribosomal protein, phosphorylation 2225.

ribosome activity, effect of acetone treatment 3022.

rRNA biosynthesis, effect of uridine(5-bromodeoxy) 301.

rRNA biosynthesis during preconjugalation 278.

rRNA biosynthesis/processing/translocation, effect of puromycin 300.

RNA biosynthesis/protein biosynthesis, effect of actinomycin D 2651.

rRNA biosynthesis regulation 4308.

rRNA gene, replication 1574.

rRNA gene, terminal nucleotide sequence 3922.

rRNA maturation 5728.

rRNA 5S/rRNA gene, characterization 3924.

RNAse activity, effect of heat shock 5214.

temperature-sensitive mutant, RNA/protein biosynthesis 2275.

tRNA(aminoacyl) synthetase activity, regulation-growth-dependent factor 735.

uracil phosphoribosyltransferase, purification/characterization 2861.

***Tetrakis (acetoxymethyl)methane*,**

labelling-*Escherichia coli* tRNA Val, guanosine (6-thio)/uridine (4-thio) sulphur 3369.

***Tetraphenyl pyrophosphate*,**

interaction-poly(U) 704.

***Tetrazole*,**

nucleoside, antiviral activity, absence, association-conformation 2946.

***Thalassaemia*,**

human, β -globin mRNA characterization 5714, 5715.

 ***β -Thalassaemia*,**

human, stability- α -globin/ β -globin mRNA 237.

role-globin mRNA biosynthesis/structure 5770.

transcription defect 861.

***Theaflavin*,**

inhibition-tobacco mosaic virus replication 305.

***Theophylline*,**

control-adenosine stimulation-AMP (cyclic), mouse neuroblastoma 2172.

inhibition-protein biosynthesis, *Xenopus laevis* oocyte 3002.

***Thermactinomyces vulgaris*,**

DNA, incorporation-exogenous thymidine 1846.

***Thermoplasma acidophilum*,**

restriction endonuclease Tha I, isolation/characterization 5232.

***Thermus*,**

genus, DNA, base composition 3171.

***Thermus aquaticus*,**

restriction endonuclease Taq I, cleavage-SV40 DNA 3910.

***Thermus flavus*,**

DNA, isolation/characterization 4453.

***Thermus thermophilus*,**

DNA, isolation/characterization 4453.

tRNA fMet, nucleotide sequence 171.

***Thermus thermophilus HB8*,**

elongation factor Tu, structure, comparison-*Escherichia coli* 1913.

***Thielaviopsis basicola*,**

virus-like particle, occurrence-double-stranded RNA 1917.

***Thioacetamide*,**

effect on polyribosome/protein biosynthesis, rat liver 4794.

effect on rat liver RNA polymerase I/RNA polymerase II activity 1118.

effect on mRNA activity, rat liver 5794.

stimulation ribosomal protein phosphorylation, liver 5620.

treated, rat liver, regulation-precursor rRNA biosynthesis 823.

***Thiol*,**

reaction-pyrimidine (5-mercuri) nucleotide 4160.

role-pyrimidine (dichloro) antiviral activity 2157.

***Thionyl chloride*,**

use-adenosine transformation-adenosine(cyclo) 664.

***Thiophosphoryl chloride*,**

reaction-adenosine (3'-amino-3'-deoxy) 5450.

***Thiosemicarbazide*,**

copper complex, interaction-DNA, IR-spectroscopy/UV-spectroscopy 1513.

***Thiosemicarbazone*,**

metal complex, inhibition-Rous sarcoma virus reverse transcriptase 5277.

***Thosea asigna*,**

RNA virus, isolation/characterization 4835.

***Thrombin*,**

stimulation-DNA biosynthesis, human fibroblast 503, 4517.

***Thromboxane B₂*,**

effect on DNA biosynthesis/RNA biosynthesis, fibroblast 482.

***Thymidine*,**

(ribo)-formation + thymine, rat tissue/Ehrlich ascites cell 1847.

amino analogue, synthesis/antiviral agent 5456.

aqueous solution, γ -irradiation, product identification 5457.

association-purine(<2->amino) 28.

carbocyclic analogue, synthesis/biological activity 4140.

derivative, inhibition-*Escherichia coli* thymidine kinase 2853.

dielectric studies 1283.

exogenous, incorporation-*Thermoactinomyces vulgaris* DNA 1846.

incorporation, effect of uridine (deoxy)/cytidine (deoxy), monolayer/suspension cell culture 2951.

incorporation, rat/mouse liver DNA, inhibition-chloroquine/primaquine/ethidium 3575.

incorporation, *Trypanosoma brucei*, inhibition-methylglyoxal bis(guanyldiazotone) 2758.

incorporation-rat thymocyte DNA, effect of serine 1286.

labelling index, human cervix cancer 1033.

metabolism, rat cerebellum, during development, effect of thyroidectomy 1002.

metabolism, use-DNA biosynthesis measurement 2372.

photochemical-oxidation 3723.

rescue, following methotrexate treatment, human 2950.

synchronization-mouse lymphoma cell culture, comparison-

Thymidine, (continued)

hydroxyurea 683.
 toxicity-human/mouse tumour cell 1288.
 transport, rat hepatocyte 5506.
 transport kinetics, Ehrlich ascites cell, effect of X-irradiation 2542.
 tritiated, distribution-mother foetus system, rat 5510.
 tritiated, effect on leukaemia lymphoblast 5508.
 tritiated, effect on lymphocyte 4145.
 tritiated, effect on mouse embryo 5509.
 tritiated, tritium incorporation-mouse, comparison-tritiated water/uridine 4713.
 tritiated, uptake, Morris hepatoma, inhibition-normal rat liver extract 1845.
 tritium-labelled, determination, method 141.
 tritium-labelled, uptake-pemphigus vulgaris epithelium cell 121.
 uptake, human malignant melanoma cell line, inhibition-normal stimulated lymphocyte 3351.
Thymidine (2,2'-Anhydrodihydro-5-Aza),
 synthesis 4135.
Thymidine (6-Aza),
 conformation 2532.
 X-ray diffraction 5471.
Thymidine (deoxy),
 analogues, inhibition-herpes simplex virus replication 682.
 incorporation, colony forming cell, effect of methotrexate/aminopterin 4149.
Thymidine (5,6-Dihydro-5-Aza),
 antiviral agent, activity-herpes simplex virus/vaccinia virus/varicella-zoster virus 3350.
Thymidine (O²-Ethyl),
 stability, effect of pH 2944.
Thymidine (O⁴-Ethyl),
 stability, effect of pH 2944.
Thymidine (5-Hydroxy-5,6-Dihydro),
 X-ray diffraction 5470.
Thymidine (ribo),
 lacking, wheat germ tRNA, isolation/characterization 4752.
 tRNA Val base, NMR 1841.
 role, mammalian tRNA Phe 122.
Thymidine (trifluoro),
 antiviral agent, herpes simplex virus 5484.
 treatment-herpes simplex virus eye infection 4143.
 treatment-herpes simplex virus keratitis, human 4706.
Thymidine(hydroxydihydro),
 synthesis/structure 93.
Thymidine kinase,
 activity, effect of hormonal regeneration-mouse seminal vesicle 578.
 activity, normal/tumour-bearing chicken thymus 2104.
 activity, rat brain, effect of thyroid deficiency during development 6064.
 activity, rat colon epithelial cell 5078.
 activity, relationship-mitochondrial DNA biosynthesis, during regeneration, rat liver 1040.
 activity during rat brain development, effect of undernutrition 2118.
 assay, herpes simplex virus 1, use-iodine-125 labelled cytidine(deoxy) 1156.
Escherichia coli, inhibition-thymidine derivative 2853.
 gene, herpes simplex virus, transfer-mouse cell 3986.
 gene, Herpes simplex virus, transfer-mouse cell 3987.
 gene transfer in vitro, herpes simplex virus 6117.
 herpes simplex virus-specific, mRNA, characterization 5679.
 herpes simplex virus 1/herpes simplex virus 2, selective inhibition-thymidine (deoxy) analogue 5505.

human lymphocyte, induction-phytohaemagglutinin 577.
 induction, regenerating rat liver, effect of methyl methanesulphonate/dimethylnitrosamine 5116.
 marker-oncornavirus/cytomegalovirus/SV40 transformation/contamination, in vitro 2847.
 phage T4, purification/characterization 2110.
 purification, chromatography (affinity), *Escherichia coli* 1155.
 rat liver, characterization 576.
 mRNA biosynthesis, herpes simplex virus, regulation 5737.
Thymidine phosphorylase,
 activity, human skin fibroblasts/rabbits kidney cell culture 547.
 inhibition, use-DNA labelling switch 1983.
Thymidyl(3'-5')-Thymidine,
 reactivity, DNA alkylation-N-ethyl-N-nitrosoarene/N-methyl-N-nitrosoarene/dimethyl sulphate/ethyl methanesulphonate 4958.
Thymine,
 binding-monovalent anion 38.
 content, chromatography (gas), use-DNA assay 4370.
 dimer, excision, nuclease activity, detection-KB cell human 3606.
 effect of ultrasound 42.
 ethylation-triethyl phosphate 2929.
 excited singlet/triplet state 33.
 fluorescent derivative, energy transfer 2530.
 interaction-water, potential 1260.
 UV-irradiation product analysis 5426.
 metal complex, preparation 62.
 photoaddition reaction-isobutylene 4122.
 proton acceptor site detection, NMR 2529.
 substitution-uridine (5-bromodeoxy), chromatid DNA, cell culture 6276.
 synthesis, uracil reaction-formaldehyde + formic acid 652.
Thymine (1-(2-Bromoethyl)),
 complex-poly (4-vinylpyridine), interaction-nucleotide 4113.
Thymine (5,6-Dihydro)-5-(α -Thyminyl),
 synthesis 5547.
Thymine (5,6-Dihydroxydihydro),
 formation, γ -irradiation-treated DNA 2324.
Thymine (6'-Fluoro-D-glucopyranosyl),
 halogen substitution 2939.
Thymine (methyl),
 antiviral activity, Rous sarcoma virus/mumps virus/vaccinia virus replication, chick embryo cell 1269.
 UV-irradiation-induced dimer formation 1263.
Thymine (O²-Methyl),
 formation, poly d(A-T) methylation-N-methyl-N-nitrosoarene 4169.
Thymine arabinoside,
 antiviral activity, herpesvirus infection 5507.
Thymine dimer,
 excision, following UV-irradiation, *Lathyrus sativa* DNA 2395.
 excision UV-irradiation-treated human cell line, kinetics 5117.
 induction-UV-irradiation, hairless mouse skin DNA 1982.
 photoreactivation, UV- irradiation treated human fibroblast DNA 397.
 role-UV-irradiation induced mutagenesis, phage s_d 1495.
Thymineless death,
 DNA damage, *Streptococcus pneumoniae* 1543.
Escherichia coli K12, role-gene(recB) product 2067.
Thymocyte,
 DNA repair, γ -irradiation-induced damage 3208.
 mouse, phytohaemagglutinin-induced DNA biosynthesis, effect of polymorphonuclear leukocyte protease 5149.

Thymocyte,(continued)

normal/leukaemia mouse, distribution-deoxynucleotidyl transferase (terminal) 1730.

rat, γ - irradiation-induced nucleoprotein degradation, effect of cycloheximide/pyromycin 598.

rat. DNA, incorporation-cytidine(deoxy)/thymidine, effect of serine 1286.

rat, DNase (alkaline) activity, effect of irradiation 3259.

Thymus,

chicken, normal/tumour-bearing, thymidine kinase activity 2104.

histone H1/histone H2A/histone H2B, amino acid sequence, comparison-iSecale cereale 601.

mouse, $<\gamma>$ -irradiation-induced nucleoprotein degradation, effect of cycloheximide/pyromycin 598.

mouse, DNA biosynthesis, effect of-hydrocortisone hemisuccinate 1003.

mouse, T-lymphocyte, occurrence-immunoglobulin light chain mRNA 4260.

pig, isolation-high mobility group 14 nonhistone protein 1192.

rat, DNA biosynthesis/RNA biosynthesis, circadian rhythm 464.

rat, histone, effect of γ -irradiation 2878.

rat, RNA polymerase activity, regulation-glucocorticoid 3623.

RNA, induction-T-lymphocyte-specific antigen, bone marrow lymphocyte 3484.

Thyrocaltitonin,

effect on DNA biosynthesis, regenerating skin 1617.

Thyroglobin,

mRNA, reverse transcription 1465.

Thyroglobulin,

m RNA 33S, transcription, use-avian myeloblastosis virus reverse transcriptase 331.

mRNA, localization, goat goitre 2605.

Thyroid,

deficiency, effect on DNA biosynthesis/thymidine kinase activity during development, rat brain 6064.

Thyroid gland,

bovine, m RNA 33S, translation-thyroglobulin-like protein 340.

bovine, isolation-thyroglobulin-synthesizing polyribosome 208.

bovine, RNA biosynthesis, role-neurotransmitter/prostaglandin/glucose 4514.

bovine, RNA isolation 2252.

bull, content-thyroglobulin synthesizing polyribosome 5624.

dog, AMP(cyclic) content/metabolism/structure, effect of poly(I-C) 161.

human, rRNA/iRNA content, normal/tumour 1921.

sheep, mRNA, molecular weight determination 1414.

Thyroid hormone,

control-growth hormone mRNA, GH1 cell 2649.

induced regulation-polyribosome translation efficiency, *Rana catesbeiana* tadpole 5636.

regulation-growth hormone mRNA biosynthesis, rat 837.

Thyroidectomy,

effect on DNA biosynthesis/thymidine metabolism, rat cerebellum during development 1002.

Thyroliberin,

complex-AMP, NMR 2956.

Thyrototoxicosis,

rat, nutrition/normal, RNA/DNA content, effect of parenteral 236.

Thyrotropin,

effect on free ribosome incorporation-thyroglobulin synthesizing polyribosome 5639.

Thyrotropin-releasing hormone,

regulation-prolactin/growth hormone mRNA, rat pituitary gland tumour cell 3470.

Thyroxine,

effect on DNA activity, *Alytes obstetricans* intestine 3233.

effect on DNA biosynthesis/RNA biosynthesis, rat brain, during development 5098.

effect on rRNA metabolism, chick embryo muscle 4324.

treatment, DNA DNA biosynthesis, *Alytes obstetricans* 3202.

Tick-borne encephalitis virus,

infected Hep-2 cell, UV-irradiation-treated, DNA repair 3578.

Tillina magna,

cyst, chromatin extrusion 1205.

Tilorone,

analogue, inhibitor-simian sarcoma virus/human leukaemia lymphoblast, DNA polymerase 4023.

Tinca tinca,

liver/oocyte, RNA 5S, properties 273.

TMP,

reaction-diammine platinum(II), Raman spectra 4156.

starvation, effect on *Saccharomyces cerevisiae* DNA 2550.

TMP (5'-Amino-5'-Deoxy),

derivative, NMR 5535.

TMP kinase,

activity, potato tuber slice 574.

radiation (γ) effects on activity, bone marrow, rats 536.

dTMP kinase,

association-herpes simplex virus-induced pyrimidine deoxyribonucleoside kinase, mouse cell 6212.

purification/characterization, leukaemia (chronic myelocytic) 375.

TMP synthetase,

activity during rat brain development, effect of undernutrition 2118.

Bacillus subtilis, characterization 4043.

induction, *Tetrahymena pyriformis* 1747.

inhibition-uridine (5-nitro-2'-deoxy)/UMP (5-nitro-2'-deoxy), antiviral activity 4717.

Lactobacillus casei, kinetics 5295.

Lactobacillus casei, sulphhydryl group modification, kinetics 3281.

review 1248.

role-cancer chemotherapy, review 1235.

Tobacco,

leaf, I, Fraction protein biosynthesis, protoplast kinetics 195.

leaf, normal/tobacco mosaic virus-infected, RNA replicase, purification/characterization 6183.

polyribosomal/nuclear RNA, sequence complexity 4849.

protoplast, RNase content, effect of osmotic stress 1677.

protoplasts, fate-bacterial DNA 6085.

tobacco mosaic virus-infected, RNA distribution 1752.

uridine (5-bromodeoxy)-tolerant tumour, incorporation-uridine (5-bromodeoxy) 4471.

Tobacco mosaic virus,

biphasic reconstitution, kinetics 3683.

double-stranded RNA, occurrence-infected *Nicotiana* 4255.

infected tobacco, RNA distribution 1752.

infected tobacco leaf, RNA replicase, purification/characterization 6183.

infection, effect on *Nicotiana tabacum* protein biosynthesis 4775.

mixed infection-sunhemp mosaic virus, coat protein mRNA characterization, *Nicotiana glutinosa* 2658.

protein, reconstitution-*Agrobacterium tumefaciens* / *Escherichia coli* plasmid pBR313 DNA 4996.

RNA, binding-protein, formaldehyde-induced 1925.

Tobacco mosaic virus,(continued)

- RNA, characterization, electrophoresis 5696.
 RNA, fate, *Nicotiana tabacum* 323.
 RNA, nucleotide sequence, comparison-strains 807.
 RNA, ORD 3051.
 RNA biosynthesis, effect of uracil (2-thio), infected *Nicotiana tabacum* 4335.
 RNA replicase activity, effect of temperature 6185.
 RNA replication/protein biosynthesis, *Acetabularia* 4774.
 RNA structure, comparison-cucumber virus 4, Raman spectra 4838.
 RNA 5'-terminal region, nucleotide sequence 3810, 3811.
Tobacco rattle virus,
 RNA, 3'-terminal structure 2260.
Tobacco ringspot virus,
 RNA infectivity, structure requirement 5702.
Toluene,
 treated, human lymphocyte, protein biosynthesis 4223.
Tomato aspermy virus,
 RNA sequence homology-cucumber mosaic virus 5701.
Tomato black ring virus,
 RNA infectivity, structure requirement 5702.
 satellite RNA, properties 3098.
Tortula ruralis,
 mRNA, conservation during dehydration 3106.
Toxoplasma gondii,
 cyst, DNA/RNA content 1483.
 DNA/RNA content 2669.

intracellular, uracil labelling 73.

Toyocamycin,

- effect on RNA, adenovirus-infected HeLa cell 4830.
 structure, X-ray diffraction 5467.

Toyocamycin (2'-Deoxy),

- triphosphate, preparation, effect on ribonucleoside triphosphate reductase 4595.

Trachelonema sulcata,

- macronucleus, DNA content during development/senescence 5131.

Transcription,

- activity, localization-*Triturus cristatus carnifex* lampbrush chromosome 2903.
 adenovirus (human) 5 genome, transformed rat embryo cell 2644.

Allium cepa root cell, effect of 2,4-dinitrophenol 4331.

Bacillus polymyxa , relationship-polymyxin biosynthesis 5726.

chromatin template activity, rat mammary gland during development 5337.

complex, early, SV40, characterization 2634.

complex, visualization, mouse cell culture visualization 3669.

coupled-translation, vaccinia virus core directed, cell-free system 1469.

coupled-translation, vesicular stomatitis virus, L cell/chick embryo cell-free system 3486.

defect, β -thalassaemia 861.

effect of N- tosyl- L- lysine chloromethyl ketone, polyoma virus-transformed <3>T3 cell 316.

inhibition-vesicular stomatitis virus ribonucleoprotein antibody 2870.

initiation, adenovirus (human) 2-infected HeLa cell 2643.

initiation, *Escherichia coli* operon (deo), regulation 3064.

pattern, chromatin, effect of cortisone 3469.

phage λ DNA, in vitro 2274.

phage M13 DNA, mechanism 4850.

polyoma virus defective genome 2752.

reactivation, *Xenopus* erythrocyte, RNA biosynthesis during

821.

Rous sarcoma virus genome, association-RNA binding protein 4653.

site, localization, CHO cell, during cell cycle 4261.

Transfection,

system, heterologous, phage ϕ X174 DNA 4529.

Transformation,

Bacillus subtilis , recombination intermediate, characterization 2722.

gene (recA) mutant, *Bacillus subtilis* , restriction-like activity 2063.

Mycobacterium smegmatis , characterization 4533.

Transforming DNA,

activity, *Bacillus subtilis* , effect of X-irradiation 5872.

attachment-*Bacillus subtilis* , binding site conformation, effect of temperature 3247.

Bacillus subtilis , effect of restriction endonuclease EcoRI 3617.

heterospecific, inactivation-*Streptococcus sanguis* lysate factor 4524.

Streptococcus sanguis -bound, fate 2796, 2797.

Transition metal,

binding-purine/pyrimidine, stereospecificity 639.

Translation,

control-*Podospora anserina* ribosomal protein 4244.

coupled-transcription, vaccinia virus core directed, cell-free system 1469.

coupled-transcription, vesicular stomatitis virus, L cell/chick embryo cell-free system 3486.

error, bacterial/mammalian cell, protein identification 3385.

fidelity, role-ribosomes, models 208.

initiation, ribosomal subunit 40S 2204.

initiation-initiation codon, effect of contiguous nucleotide 5644.

modification, during sporulation, *Bacillus subtilis* 747.

rate, regulation during morphogenesis, *Mucor racemosus* 4220.

regulation-brome mosaic virus RNA genome expression, in vitro 4336.

repressor, control-globin biosynthesis, rabbit reticulocyte cell-free system 2581.

review 5382.

role-operon (lac) mRNA degradation 4368.

Transposon,

DNA, characterization 6102.

Tn1, effect of plasmid RP4 incorporation *Escherichia coli* chromosome 5169.

Transposon Tn951,

operon (lac)-carrying, characterization, *Yersinia enterocolitica* 3160.

Trasyol,

inhibition-DNA biosynthesis, mouse lymphocyte 1626.

Treponema,

DNA, base composition 2358.

Treponema pallidum,

DNA, base composition 2358.

rRNA biosynthesis 3466.

Triatoma infestans,

heterochromatin/euchromatin, histone cytochemistry 1197.

Trichloroethylene,

binding-DNA, mouse/rat liver microsome 4966.

Trichophyton terrestre,

DNA genome size, effect of spaceflight 3886.

Trichoplax adhaerens,

DNA content 1484.

Trichoplusia ni,

DNA repair following X-irradiation, comparison-Chinese

Trichoplusia ni, (continued)

hamster 2028.

DNA repair/survival, UV-irradiation-induced, comparison-Chinese hamster 2029.

nuclear polyhedrosis virus, DNA, restriction endonuclease analysis 5034.

nuclear polyhedrosis virus DNA, properties, comparison-*Pseudoplusia includens* /*Autographa californica* /*Rachiplusia ou* 1538.**Trichosia pubescens,**

RNA biosynthesis, induction-diethyl ether/chloroform 5760.

Trichothecene,

inhibition-protein biosynthesis, reticulocyte cell-free system 218.

Triethyl phosphate,

ethylation-uracil/thymine/cytosine/adenine/guanine 2929.

Triethylenemelamine,

effect on mouse/human chromosome 4646.

Trifluoroacetic acid,

slution, pyrimidine(5-. nitro -1,2,3,4- tetrahydro) NMR 49.

Trigonella foenum graecum,

cotyledons, ribosomes, ribonuclease activity 493.

Triiodothyronine,

effect on RNA polymerase I activity, rat liver nucleus, thyroidectomy 559.

stimulation-growth hormone <?m>RNA translation, rat pituitary gland tumour 343.

stimulation-poly(A)-containing nuclear RNA/mRNA biosynthesis, rat liver 3838.

stimulation-protein biosynthesis, hypertrophied rat heart cell-free system 3406.

stimulation-RNA biosynthesis, rat liver nucleus 2287.

2,4,6-Triisopropylbenzenesulphonyl chloride,

interaction-poly(U) 704.

4,5',8-Trimethylpsoralen,

polydeoxyribonucleotide photochemical-uridine (5-bromodeoxy)/8-methoxypsoralen, interaction-role 5517.

use-SV40 DNA-histone complex characterization 5311.

Trinucleoside diphosphate,

synthesis 148, 689.

Trinucleotide,

joining, catalysis-phage T4 RNA ligase 4042.

synthesis, use-guanyl-specific RNase 164.

synthesis/purification 5539.

Triose reductone,

interaction-purine/pyrimidine/nucleoside/nucleotide 4114.

Tripeptide,

interaction-poly (AU) 4181.

Triphenylphosphane,

diethyl azidocarboxylate system, modification nucleoside 3717.

Tripneustes gratilla,

RNA (heterogeneous nuclear) sequence, comparison-blastula/pluteus 265.

Triticum,

alien DNA, detection 4937.

DNA, incorporation-cytosine (5-methyl) 2928.

DNA structure, effect of hardening/freezing 5975.

ontogenesis, DNA biosynthesis/RNA biosynthesis 469.

tRNA, extraction, use-Sepharose 4B chromatography 4192.

RNA/protein content, effect of zinc 1453.

Triticum aestivum,

chloroplast, incorporation-polynucleotide 710.

DNA repetitive nucleotide sequence 5973.

DNA/RNA content, effect of piperazine/pibobromane 3862.

embryo, RNA biosynthesis regulation during early germination 3228.

embryos, mRNA, characterization 257.

endosperm, protein accumulation/RNA content/kinetics 754.

Triticum vulgare,

leaf, RNase, quaternary structure/activity, effect of desiccation/rehydration 6136.

Tritium,

decay, effect on DNA, Chinese hamster cell 5869.

distribution, mouse chromatin 1765.

incorporation, mouse, comparison-tritiated water/uridine/thymidine 4713.

incorporation-nucleoside, aqueous solution 4139.

Triturus alpestris,

chromatin, nucleosome frequency, relationship-transcriptional activity, electron microscopy 4065.

Triturus cristatus,

chromatin, nucleosome frequency, relationship-transcriptional activity, electron microscopy 4065.

Triturus cristatus carnifex,

chromosome, DNA arrangement/transcription 452.

lampbrush chromosome, localization-transcription activity 2903.

Triturus pyrrhogaster,

embryos, histone content during development 3656.

Triturus viridescens,

chromosome, DNA arrangement 1562.

Triturus vulgaris,

DNA denaturation profile, during development 1554.

Triturus vulgaris meridionalis,

chromosome, rRNA gene localization 453.

Tritylphosphonodichloride,

interaction-uridine 672.

Tropaeolum majus,

DNA characterization/satellite DNA localization 3934.

Tropomyosin,

interaction-DNA 4950.

Troponin,

interaction-DNA 4950.

Trout,

testis, chromatin, modified histone content 1195.

testis, histone H1, amino acid sequence 600.

Trypanosoma brucei,

kinetoplast DNA, isolation/characterization 3499.

rRNA, characterization, comparison-*Leishmania tropica* /*Crihida fasciculata* 3815.

thymidine/uridine incorporation, inhibition-methylglyoxal bis(guanylhyazone) 2758.

variant specific surface antigen mRNA, purification/characterization 235.

Trypanosoma cruzi,

DNA transcription, effect of ellipticine (9-hydroxy) 1439.

infection, mouse, effect of immune RNA 3103.

ribosome, characterization 4232.

RNA biosynthesis/protein biosynthesis, inhibition-benznidazole 3473.

Trypanosoma equiperdum,

circular DNA, isolation/characterization 3127.

Trypanosoma lewisi,

kinetoplast DNA, isolation/characterization 5949.

Trypanosoma mega,

circular kinetoplast DNA 2002.

Trypsin,

effect on DNA biosynthesis/release, phytohaemagglutinin-

Trypsin,(continued)

treated lymphocyte 4520.
stimulation-DNA biosynthesis, human fibroblast 503.

Tryptophan,

deprivation, effect on RNA/protein metabolism, rat liver 858.
interaction-poly(A) 1867.

Tryptophan oxygenase,

mRNA, induction-cortisol, rat liver, effect of cycloheximide 4325.

mRNA, rat liver, induction hydrocortisone, effect of cycloheximide 4873.

Tryptophan2;3-Dioxygenase,

hepatic, mRNA, content during rat development 2246.

TTP,

tritium-labelled, enzymatic synthesis 5536.

TTP (2',3'-Dideoxy),

effect on DNA biosynthesis, HeLa cell 4164.

TTP arabinoside,

inhibition DNA polymerase α , mouse myeloma 6201.

dTTP,

determination 686.

Tuberactinomycin O,

binding-*Escherichia coli* ribosome 5633.

Tubercidin,

pentaammineruthenium complex, synthesis 75.

Tubercidin (2'-Deoxy),

triphosphate, preparation, effect on ribonucleoside triphosphate reductase 4595.

S-Tubercidinylhomocysteine,

inhibition-mRNA methylation, Novikoff ascites hepatoma cytoplasm 1435.

Tubulin,

subunit, mRNA, characterization, chick embryo brain 3055.

Tumour,

animal, experimental, DNA, destabilization-secondary structure 1566.

antigen, gene, SV40, nucleotide sequence 5024.

antigen, response, immune RNA-mediated transfer,

peritoneal exudate cell 2119.

ascites, model, therapy, iodine-125-labelled uridine (iododeoxy) 5520.

cell line, mammary gland, exogenous DNA transport 1647.
cell mediated cytotoxicity, specific, transfer-immune RNA, guinea-pig 4813.

cell surface, mouse, occurrence-DNA 2674.

characterization-mRNA metabolism 3839.

chemical/viral, poly (A)-containing mRNA/polyribosome distribution 3032.

clone cell, suiciding, tritiated nucleoside 680.

formation association pyrimidine dimer, UV-irradiation-treated *Poecilia formosa* thyroid DNA 2697.

hormone-dependent, rat mammary gland, detection-casein mRNA 1389.

human, binding-RNase 1679.

localization, use-iodine-125-labelled uridine(deoxy) 124.

rat, RNA translation product, identification-preproinsulin 342.

tissue, tRNA turnover rate 846.

Tunicamycin,

degradation product, uracil (tunicaminy), structure 2154.

nucleoside antibiotic, *Streptomyces lysosuperficus*, structure 2945.

Turbocornutus,

DNase, isolation/properties 3614.

Turkey,

liver, xanthine dehydrogenase, effect of allopurinol/oxyuridinol 4597.

Turnip yellow mosaic virus,

nucleoprotein, RNA size distribution 2259.

RNA, comparison-eggplant mosaic virus/Andean potato latent virus 5692.

RNA, structure, Raman spectra 4287.

RNA, 5'-terminal nucleotide sequence 5694.

RNA, translation 3075.

RNA, valylation-yeast tRNA (valyl) synthetase 4273.

RNA replication, *Brassica oleracea* leaves 2646.

RNA structure, circular dichroism 5698.

Tween 80,

effect on DNA repair/survival, *Escherichia coli*, following UV-irradiation/ γ -irradiation 4486.

Tyrosine,

binding-tRNA(tyrosyl)synthetase 5591.

insertion suppressor (SUP4-o), identification, yeast 1662.

residue, RNase A, modification-diazonium inhibitor analogue 1688.

Tyrosine aminotransferase,

antibody, use-rat liver polyribosome purification 2588.

chain elongation rate, effect of AMP (dibutyl cyclc) 2238.

isoenzyme, mRNA, content, rat liver, effect of cortisol 4329.

mRNA, biosynthesis, rat liver, effect of AMP (dibutyl cyclc) 5769.

mRNA, induction-cortisol, rat liver, effect of cycloheximide 4325.

mRNA, purification 3428.

mRNA, rat liver, effect of enzyme induction-AMP (dibutyl cyclc) 4338.

mRNA, rat liver, isolation/purification 5666.

mRNA, translation, rabbit reticulocyte cell-free system 3109.

3T3 cell,

polyoma virus-transformed, transcription, effect of <N->tosyl -L- lysine chloromethyl ketone 316.

SV40-transformed, DNA chain elongation regulation 478.

transformed, transcription-SV40 DNA 841.

SV40-transformed, ribosome activity, protein biosynthesis cell-free system 1351.

cytomegalovirus-infected, DNA biosynthesis 6001.

DNA biosynthesis, inhibition-cytidine (3'-deoxy) 4712.

DNA biosynthesis, initiation, association-epidermal growth factor/calcium ion 6073.

DNA biosynthesis, role-phosphate during growth 2782.

DNA biosynthesis, stimulation-calcium phosphate 5150.

inhibition- + RNA aminoacylation 2200.

plasminogen activator-stimulated DNA biosynthesis, relationship-cell morphology 3971.

potassium transport, association-initiation-S phase 4521.

proliferation/DNA biosynthesis, control-platelet-derived growth factor 4518.

UDP,

assay method 696.

Ultrasound,

effect on DNA breakage, bovine epithelial lens cell 2692.

effect on thymine/uracil/cytosine/guanine/adenine 42.

Umbelliferae,

DNA content, effect of crown gall tumour induction 4381.

UMP,

assay method 696.

interaction-bisulphite, NMR 5472.

Raman spectra 693.

reaction-diammine platinum(II), Raman spectra 4156.

3'-UMP (dihydro),

complex-RNase A, circular dichroism 1686.

UMP (6-Methyl-2-Deoxy),
NMR 5474.

UMP (5-Nitro-2'-Deoxy),

antiviral activity, vaccinia virus/herpes simplex virus/
vesicular stomatitis virus, inhibition-TMP synthetase 4717.

UMP (4-Thio),

binding-RNase S, crystallography 6146.

Uracil,

alkyl derivative, separation, Spheron chromatography 57.
binding-monovalent anion 38.

carbon-13-labelled, *Salmonella typhimurium* rRNA 5S,
NMR 4839.

containing, DNA, phage T4, biosynthesis/properties 2369.

containing, DNA, *Escherichia coli*, role-dUTPase 3950.
effect of ultrasound 42.

effect on growth/urine volume/kidney weight, rat 3709.

ethylation-triethyl phosphate 2929.

excision-repair, during phage OX174 DNA replication in
vitro 5101.

fluorescent derivative, energy transfer 2530.

ground electronic state, characterization 2924.

halocarbene adduct, ring-transformation 60.

halocarbene adduct, use-nucleoside(diazepine) synthesis 96.

incorporation, *Escherichia coli* mutant, role-Okazaki

fragment formation 2159.

incorporation-*Bacillus subtilis* thymine-requiring mutant
5436.

incorporation-RNA, mouse/rat/human tumour 847.

interaction-adenine derivative 636.

UV-irradiation product analysis 5426.

labelling-intracellular *Toxoplasma gondii* 73.

metal complex, preparation 62.

photoaddition reaction-isobutylene 4122.

photosensitization, induction-H-addition radical 1827.

physical properties, use-semiempirical method HAM/3 2531.

proton acceptor site detection, NMR 2529.

Raman spectra 35.

reaction-formaldehyde + formic acid, thymine synthesis 652.

synthesis 655.

transport, *Escherichia coli* 2156.

transport, *Escherichia coli*, energy coupling mechanism
4691.

transport, *Saccharomyces cerevisiae* 1831.

unsaturated nucleoside, synthesis 1280.

voltammetric oscillography 1264.

Uracil (6-(phenylhydrazino)),

formic acid-induced rearrangement product, identification 59.

Uracil (5-Acylamino-6-Chloro-1,3-Dimethyl),

synthesis 5424.

Uracil (alkyl),

mass spectra 656.

Uracil (6-(n-Alkyl)thio),

synthesis 5427.

Uracil (5-alkylamine-6-aza),

N-glycoside, synthesis 1826.

Uracil (4-Alkylamino-5-Nitroso),

cyclization 3708.

Uracil (alkylthio),

mass spectra 656.

Uracil (2-alkylthio),

synthesis 61.

Uracil (5-amino-6-aza),

N-glycoside, synthesis 1826.

Uracil (astato),

labelling, distribution-mouse 1265.

Uracil (6-aza),

copper complex, X-ray diffraction 64.

interaction-boron, *Gossypium hirsutum* ovule, in vitro 56.

Uracil (5-bromo),

complex-adenosine, X-ray diffraction 5428.

incorporation, *Escherichia coli* C, effect on γ -irradiation
sensitization 3712.

incorporation *Escherichia coli* DNA, lesion induction, repair
1273.

proton acceptor site detection, NMR 2529.

Uracil (carbamoyl-5-fluoro),

synthesis/properties 63.

Uracil (5-chloro),

X-irradiation, free radical formation 653.

Uracil (1-cyclohexyl-5-bromo),

proton exchange, adenine(9-ethyl) 1816.

Uracil (3-Deaza),

synthesis 2153.

Uracil (5,6-Dihydro),

proton acceptor site detection, NMR 2529.

Uracil (5-Fluoro),

assay, chromatography (gas-liquid) 4123, 5437.

cytosine (1-methyl) complex, X-irradiation, free radical

formation, ESR 3703.

effect on α -amylase properties, *Hordeum vulgare* seed 5440.

effect on breast carcinoma DNA biosynthesis 303.

effect on conidiogenesis, *Botrytis cinerea* 684.

effect on human metaphase chromosome structure 5438.

effect on purine nucleotide/pyrimidine nucleotide pool, mouse
spleen/leukaemia cell 1832.

sensitivity, Novikoff hepatoma cell, role-purine nucleoside
phosphorylase 4584.

use-colon carcinoma treatment, mouse 5439.

Uracil (5-Halo),

UV-spectroscopy 4689.

Uracil (5-Halogeno),

electron attachment 5425.

Uracil (methyl),

antiviral activity, Rous sarcoma virus/mumps virus/vaccinia
virus replication, chick embryo cell 1269.

Uracil (6-Methyl),

photoaddition reaction-isobutylene 4122.

Uracil (6-Nonyl-2-Thio),

synthesis 5427.

Uracil (6-n-Propyl-2-Thio),

oxidation product, synthesis/properties 4124.

Uracil (seleno),

NMR spectroscopy 675.

Uracil (thio),

voltammetric oscillography 1264.

Uracil (2-Thio),

effect on tobacco mosaic virus RNA biosynthesis, infected
Nicotiana tabacum 4335.

sulphonate derivative, structure 5423.

Uracil (4-thio),

containing, dinucleoside phosphate, circular dichroism 1864.

proton acceptor site detection, NMR 2529.

Uracil (tunicaminy),

tunicamycin degradation product, structure 2154.

Uracil (1-Vinyl),

copolymerization-acrylic acid/methylacrylic acid/acrylamide/
1-vinylpyrrolidone 5422.

Uracil arabinoside,

3',5'-di-O-aryl derivative, disproportionation reaction 4704.

- Uracil arabinoside (3'-Deoxy),**
3'-substituted, synthesis 4138.
- Uracil monohydrate,**
complex-5-nitro-1(β -D-ribosyluronic acid), X-ray
crystallography 5429.
- Uracil phosphoribosyltransferase,**
activity, *Mycoplasma hyorhinis*-infected cell 1735.
- Tetrahymena pyriformis**, purification/characterization 2861.
- Urea,**
effect on Kunjin virus/Sindbis virus genome RNA 835.
purine complex, X-ray crystallography 25.
solution, DNA thermal stability/renaturation kinetics 420.
- Urethane,**
effect on nonhistone protein metabolism, mouse liver 4620.
- Uridine,**
carbocyclic analogue, synthesis/biological activity 4140.
containing, ribonucleotide, interaction-2-propanol 5537.
-2',3'-cycloxyphosphorane conformation 2536.
dielectric studies 1283.
effect on growth/urine volume/kidney weight, rat 3709.
effect on N-phosphonylacetate-L-aspartate antitumour
activity/toxicity, mouse lung carcinoma 685.
immobilization-agarose 4703.
incorporation, colony forming cell, effect of methotrexate/
aminopterin 4149.
incorporation, *Lemna gibba* RNA, diurnal rhythm 5773.
incorporation, mouse skin RNA, stimulation-20-
methylcholanthrene 3844.
incorporation, rat/mouse liver RNA, inhibition-chloroquine/
primaquine/ethidium 3575.
incorporation, *Trypanosoma brucei*, inhibition-
methylglyoxal bis(guanyldihydrazone) 2758.
incorporation-RNA, mouse/rat/human tumour 847.
interaction-bisulphite, NMR 5472.
interaction-tritylphosphonodichloride 672.
methanol, photochemistry 2166.
5'-substitution, effect on dinucleoside phosphate
conformation 2186.
substrate competition-cytidine, uridine kinase 579.
transport, *Escherichia coli*, energy coupling mechanism
4691.
trifluoromethylation 99.
tritiated, effect on lymphocyte 4145.
tritiated, tritium incorporation-mouse, comparison-tritiated
water/thymidine 4713.
tritium-labelled, incorporation-RNA, CV1 cell, effect of
SV40 infection 128.
uptake, HeLa cell, inhibition-inosine (nitrobenzylthio) 5512.
uptake, T-lymphocyte/B-lymphocyte, human 4716.
uptake, mammalian cell culture, stimulation-adenine 657.
utilization, *Coelopa frigida* developing ovariole 4715.
- Uridine ((leucyl)amino),**
X-ray crystallography 110.
- Uridine (acetyl),**
low temperature, X-ray diffraction 111.
- Uridine (5-Alkyl-2'-Deoxy),**
preparation 42.
- Uridine (5-Amino),**
X-ray diffraction 5473.
- Uridine (2,2'-anhydro),**
derivative, synthesis 98.
- Uridine (astatodeoxy),**
labelling, distribution-mouse 1265.
- Uridine (6-aza),**
antiviral activity, specificity in vitro 5516.
conformation 2532.
effect on conidiogenesis, *Botrytis cinerea* 684.
effect on orotic acid/orotidine/nucleotide content, mouse
lymphoma cell 1292.
- Uridine (8-Aza),**
adsorption-mercury electrode 3724.
- Uridine (5-Bromo),**
effect on immunoglobulin biosynthesis, plasmacytoma/
normal mouse lymphocyte 2179.
- Uridine (5-bromodeoxy),**
combination-Hoechst 33258, induction-sister chromatid
exchange, Chinese hamster cell 6290.
effect on *Arbacia punctulata* development 4150.
effect on herpes simplex virus 1 latent infection, rabbit
ganglion 5511.
effect on B-lymphocyte function 126.
effect on radiation (u.v.)-induced DNA-protein adduct 3869.
effect on rRNA biosynthesis, *Tetrahymena pyriformis* 301.
incorporation, uridine (5-bromodeoxy)-tolerant tobacco
tumour 4471.
incorporation-DNA, mouse neuroblastoma cell 4719.
incorporation-*Nicotiana glauca* DNA, effect on proliferation
129.
incorporation-rat hepatoma DNA, effect on cytosine5-
methyl content 1289.
induced virus-like particles, characterization, CHO-K1 cell
line 4714.
induction-deoxycytidine deaminase activity, hamster cell
culture 2952.
induction-virus-like particle, *Naegleria gruberi* 130.
inhibition-chloroplast differentiation, *Nicotiana tabacum* cell
culture 127.
inhibition-*Dictyostelium discoideum* differentiation 4718.
pigmentation suppression, Syrian hamster melanoma cell,
effect of-cytidine(deoxy) 681.
Raman spectra 4151.
removal-DNA, rat liver 2177.
substituted DNA, *Escherichia coli* /rat myoblast, effect on β -
galactosidase gene expression 2543.
substituted DNA, production during branch migration,
human lymphoid cell 3225.
substitution-thymine, chromatid DNA, cell culture 6276.
transformation-uridine (bromodeoxy) dependent cell line,
effect on membrane 2544.
X-irradiation, ESR 1840.
- Uridine (5-Carbamoylmethyl),**
structure, X-ray diffraction 3725.
- Uridine (5-Carboxymethyl),**
structure, X-ray diffraction 3725.
- wobble position, yeast tRNA Arg 4201.
- Uridine (5-chloro),**
X-irradiation, free radical formation 653.
- Uridine (5-chlorodeoxy),**
X-irradiation, ESR 1840.
- Uridine (3-Deaza),**
synthesis 2153.
- Uridine (3-Deaza-6-Aza),**
conformation 100.
- Uridine (3-deaza-4-deoxy),**
X-ray diffraction 1839.
- Uridine (deoxy),**
derivative, separation, chromatography 678.
effect on thymidine incorporation, monolayer/suspension cell
culture 2951.
incorporation, colony forming cell, effect of methotrexate/
aminopterin 4149.
iodine-125-labelled, use-tumour localization 124.

- Uridine (5'-Deoxy)**, synthesis 2940.
- Uridine (2'-deoxy- ψ -iso)**, synthesis 1836.
- Uridine (2'-deoxy-1-methyl- ψ -iso)**, synthesis 1836.
- Uridine (2-Deoxyethyl)**, effect on herpes simplex-virus acute/persistent infection 5513.
- Uridine (5'-Deoxy-5-Fluoro)**, synthesis 2940.
- Uridine (2'-Deoxypseudo)**, synthesis 89.
- Uridine (3'-Deoxypseudo)**, synthesis 89.
- Uridine (dihydro)**, tRNA Val base, NMR 1841.
- Uridine (5,6-Dihydro-6-Methoxy)**, derivative, synthesis 2165.
- Uridine (O²-Ethyl)**, containing, polynucleotide, RNA polymerase template activity 4186.
- stability, effect of pH 2944.
- Uridine (O⁴-Ethyl)**, stability, effect of pH 2944.
- Uridine (ethyldeoxy)**, effect on herpes simplex virus keratitis 1293.
- Uridine (5-Fluoro)**, *Chironomus* salivary gland, effect on RNA biosynthesis 2176.
- effect on human metaphase chromosome structure 5438.
- interaction-bisulphite, NMR 5472.
- Uridine (5-fluorodeoxy)**, cytotoxicity, mouse leukaemia cell, effect of folate depletion 1851.
- effect on breast carcinoma DNA biosynthesis 303.
- effect on chloroplast DNA replication/gene transmission, *Chlamydomonas reinhardtii* 1850.
- effect on conidiogenesis, *Botrytis cinerea* 684.
- effect on ribonucleoside diphosphate reductase activity, mammalian cell 1746.
- inhibition-DNA biosynthesis, effect on S-phase duration, Chinese hamster cell 6032.
- synthesis 100.
- use-colon carcinoma treatment, mouse 5439.
- Uridine (5'-Hydroxymethyldeoxy)**, effect on DNA-protein complex, Ehrlich ascites carcinoma 4641.
- Uridine (5-iododeoxy)**, antiviral activity, herpes simplex virus 1 resistance 5515.
- antiviral agent, herpes simplex virus 5484.
- antiviral agent evaluation 5514.
- effect on alkaline phosphatase activity, HeLa cell 4711.
- effect on herpes simplex-virus acute/persistent infection 5513.
- induction-Venezuelan equine encephalitis virus, infected *Aedes aegypti* cell 2178.
- iodine-125/iodine-131/tritium-labelled, radical formation, ESR 5460.
- iodine-125-labelled, chromosome damage, Chinese hamster cell 6294.
- iodine-125-labelled, DNA damage, mammalian cell 5519.
- iodine-125-labelled, therapy-ascites tumour model 5520.
- iodine-125 labelled, toxicity, Chinese hamster cell 5518.
- iodine-125-labelled, use-DNA turnover measurement, tumour-bearing mouse 494.
- labelling-human myeloblast 1291.
- pretreatment, monkey kidney cell, effect on SV40 replication 1848.
- treatment-herpes simplex virus eye infection 4142, 4143.
- Uridine (5-Methoxy)**, biosynthesis, *Bacillus subtilis* / *Escherichia coli* tRNA 5562.
- crystal structure, effect of 5-substitution 5475.
- Uridine (O⁴-Methyl)**, containing, polynucleotide, RNA polymerase template activity 4186.
- Uridine (2-O-Methyl-3-Deaza)**, synthesis 2164.
- Uridine (6-Methyl-2-Deoxy)**, NMR 5474.
- Uridine (methylpseudo)**, synthesis 95.
- Uridine (5-Nitro-2'-Deoxy)**, antiviral activity, vaccinia virus/herpes simplex virus/vesicular stomatitis virus, inhibition-TMP synthetase 4717.
- synthesis, use-nitronium tetrafluoroborate 2941.
- Uridine (nitromethyl)**, synthesis 97.
- Uridine (5-Propyl-2'-Deoxy)**, antiviral activity, herpes simplex virus 2545.
- Uridine (pseudo)**, assay 4126.
- chromatography (high-performance liquid) 5445.
- content, rRNA, HeLa cell/mouse L cell/*Xenopus laevis* kidney cell 4299.
- deficient, tRNA, *Escherichia coli* B, use-pseudouridine synthetase substrate 1338.
- metabolism, effect of thermal injury 1849.
- NMR 677.
- role-tRNA stimulation-guanosine pentaphosphate biosynthesis 4753.
- Uridine (4-Thio) disulphide**, isolation-*Escherichia coli* tRNA 4127.
- Uridine (4-Thio)**, sulphur, labelling-tetrakis (acetoxymethyl) methane, *Escherichia coli* tRNA Val 3369.
- Uridine (2',3',5'-Tri-O-Benzoyl)**, synthesis 5459.
- Uridine (5-Vinyl-2'-Deoxy)**, X-ray diffraction 5476.
- Uridine (5-bromo-2'-deoxy)**, effect on DNA biosynthesis, polyoma virus 3948.
- Uridine diphosphatase**, activity, *Pisum sativum* seedling 1740.
- Uridine kinase**, activity, during rat cerebellum development, effect of hypothyroidism 1004.
- uridine/cytidine substrate competition 579.
- Uridine-5-Oxyacetic acid**, biosynthesis, *Bacillus subtilis* / *Escherichia coli* tRNA 5562.
- Uridyl (iodo)adenosine**, ethidium complex, X-ray crystallography 707.
- S-Uridyl homocysteine**, effect on DNA methylase activity, *Escherichia coli* / phage DDDVI 5288.
- Uridyl transferase**, mRNA, induction, *Saccharomyces cerevisiae*, dependence-gene (GAL4) 4537.
- Uridyl(3'-5')N⁶-(NThreonylcarbonyl)-adenosine**, resistance-phosphodiesterase hydrolysis 4171.
- Urine**, human, DNase, purification/properties 2815.
- human, purine nucleoside(deoxyribo) occurrence 75.
- nucleoside analysis, chromatography (high performance

Urine,(continued)

liquid) 4697.

RNase (alkaline) activity, effect of burns 1682.

Ustilago maydis,

DNase I, recognition-DNA mismatched base pair 6153.

double-stranded RNA, occurrence/association-killer

phenomenon 4256.

Uteroglobin,

like-protein, mRNA, rabbit lung, translation in vitro 1348.

mRNA, rabbit, translation/purification/characterization 1960.

Uterus,

immature rat, isolation-RNA 239.

mouse, DNA biosynthesis inhibition-antipain/leupeptin 1446.

rat, DNA biosynthesis, stimulation-oestrogen 6017.

rat, DNA measurement during pregnancy/postpartum involution 5813.

rat, RNA (heterogeneous nuclear)/rRNA biosynthesis, stimulation-17 β -oestradiol/oestriol 1428.

rat, RNA biosynthesis, effect of oestradiol 3835.

rat, RNA methylation/nucleoside incorporation, effect of oestradiol 1426.

UTP,

assay method 696.

Raman spectra 4151.

ternary complex-metal ion + 2,2'-bipyridyl, stability 4159.

UTP (bromodeoxy),

determination 686.

utilization-mammalian DNA replication in vitro, comparison-UTP(iododeoxy) 4478.

dUTP,effect on Okazaki fragment formation, *Escherichia coli* DNA replication fork 2182.incorporation-DNA, DNA N-glycosidase-defective *Bacillus subtilis* 2957.**UTP(iododeoxy),**

utilization-mammalian DNA replication in vitro, comparison-UTP(bromodeoxy) 4478.

dUTPase,role-excision-repair, *Escherichia coli* uracil-containing DNA 3950.**Vaccaria pyramidata,**

DNA biosynthesis, effect of hydroxyurea 6074.

Vaccinia virus,

activity-thymidine (5,6-dihydro-5-aza), antiviral agent 3350.

core, inhibition-protein biosynthesis in vitro 2207.

core, mRNA production 815.

core directed coupled transcription/translation, cell-free system 1469.

DNA, cleavage-restriction endonuclease EcoRI/restriction endonuclease BclI/restriction endonuclease BamHI 2073.

DNA, repetitive nucleotide sequence 939.

DNA, restriction endonuclease analysis 5018.

DNA, restriction endonuclease cleavage analysis, comparison-rabbitpox virus/cowpox virus/ectromelia virus/fowl pox virus 1535.

DNA, topography 438.

DNA replication 996.

DNA replication, model 1571.

DNA replication, protein biosynthesis requirement 4484.

DNase, assay 3258.

genome transcription/translation, effect of UV-irradiation 4320.

heat-inactivated particle, effect on RNA biosynthesis/protein

biosynthesis 4884.

infected, chick embryo fibroblast, RNA methylation, effect of interferon treatment 5749.

infected cell, protein biosynthesis inhibition, association-virus induced RNA biosynthesis 4773.

infected cell culture, host protein synthesis, inhibition-adenosine(3'-deoxy) 1347.

infected HeLa cell, polynucleotide triphosphatase biosynthesis 2113.

infected HeLa cell poly (A) polymerase isolation/characterization 1323.

infected mouse L cell, DNA-binding protein characterization 2142.

infection, rabbit skin, treatment-poly (I.C) + poly-L-lysine + carboxymethylcellulose complex 5554.

keratitis, rhesus monkey, effect of poly (I-C)/poly (I-C)-poly-L-lysine complex 3365.

replication, chick embryo cell, adenine(9-methyl)/uracil(1-methyl)/thymine(1-methyl), antiviral activity 1269.

replication, inhibition-bichlorinated pyrimidine, mechanism 5441.

replication complex, DNA-binding protein, isolation/characterization 2906.

replication complex, DNA-binding protein, characterization 6306.

mRNA, abundance/sequence complexity 4834.

mRNA, transcription-coupled translation 5723.

mRNA biosynthesis, in vivo/in vitro 4864.

mRNA biosynthesis, role-ATP 5754.

RNA biosynthesis in vitro, role-ATP 4875.

mRNA methylase, assay 6230.

RNase(endo), characterization, cleavage-virion-associated high-molecular weight RNA 5217.

uridine (5-propynyloxy)2'-deoxy antiviral activity 5503.

Vagotomy,

effect on RNA biosynthesis, rat nodose ganglion 308, 309.

Vagus,

denervation, effects on DNA biosynthesis, fundic mucosa, dogs 430.

rat, RNA biosynthesis, effect of vagotomy 2293.

Varicella zoster virus,

activity-thymidine (5,6-dihydro-5-aza), antiviral agent 3350.

DNA, analysis, use-restriction endonuclease cleavage 435.

DNA, characterization 434.

DNA replication, inhibition-phosphonoacetic acid 1618.

infected human foreskin fibroblast, pyrimidine (deoxy) nucleoside metabolism 2540.

replication, inhibition-halogenated cytidine (deoxy) 5504.

Venezuelan equine encephalitis virus,induction-uridine(5-iodo-2-deoxy), infected *Aedes aegypti* cell 2178.**Vermiculine,**

effect on HeLa cell chromosome 5353.

Vero cell,

African swine fever virus infected, DNA replication, inhibition-phosphonoacetic acid 3966.

Kunjin virus/Sindbis virus infected, absence-subgenomic RNA 835.

measles virus replication, inhibition-ribavirin 473.

RNA biosynthesis, L-poliovirus/mengovirus infection 5742.

RNA/DNA/protein biosynthesis, effect of rinderpest virus infection 3464.

Verticillium,

infected cotton plant leaf, RNA biosynthesis 5774.

Vesicular stomatitis virus,

m RNA, ribosome recognition site, nucleotide sequence 249.

Vesicular stomatitis virus,(continued)

adsorption/replication, rabbit kidney cell, effect of Shope fibroma virus 3582.
 associated RNase (endo), properties 1684.
 cell killing function, role-RNA 334.
 coupled translation + transcription, L cell/chick embryo cell-free system 3486.
 defective-interfering particle, genome structure/biological properties, review 2915.
 defective interfering particle, RNA biosynthesis 832.
 glycoprotein mRNA binding-endoplasmic reticulum, dissociation-puromycin, CHO cell 876.
 infected CV-1 cell, ribosomal protein, characterization 4226.
 infection, Friend cell, effect on protein biosynthesis 2209.
 infection, mouse myeloma cell, inhibition-RNA biosynthesis 3467.
 inhibition-protein biosynthesis, mechanism, L cell 2576.
 leader RNA, characterization 3796.
 membrane glycoprotein mRNA, translation in vitro 5791.
 precursor mRNA, synthesis in vitro 4886.
 protein, cross-linking-formaldehyde/dimethyl-3,3'-dithio-bispropionimide 6314.
 replication, rabbit kidney cell, facilitation-Shope fibroma virus 5094.
 replicative intermediate, isolation/characterization, infected cell 3427.
 ribonucleoprotein antibody, inhibition-transcription 2870.
 mRNA, characterization 3795.
 mRNA, ribosome recognition site, nucleotide sequence 5685.
 RNA, 3'-terminal nucleotide sequence, homology-defective-interfering particle 5683.
 mRNA, translation, inhibition-poliovirus infection 4217.
 mRNA biosynthesis, inhibition-interferon 4319.
 specific polyribosome, size distribution, U cell 3768.
 transcription/translation, chick embryo cell cell-free system, effect of interferon pretreatment 3488.
 uridine (5-propynyloxy)2'-deoxy antiviral activity 5503.
Vibrio,
 DNA reassociation kinetics 446.
Vibrio anguillarum,
 plasmid DNA, role-virulence 1063.
Vibrio cholerae,
 furazolidone-treated, DNA, cross-linking 951.
 hybrid-*Escherichia coli*, DNA, melting curve 5935.
Vicia,
 DNA biosynthesis, characterization 2022.
Vicia faba,
 DNA, reassociation kinetics 2014.
 DNA, repair- γ -irradiation damage, effect of gibberellin 2044.
 DNA-like RNA, fractionation/characterization 1924.
 embryo, histone biosynthesis relationship-DNA replication/ribosomal protein biosynthesis relationship-rRNA biosynthesis, during 5080.
 UV-irradiation, chromosome aberration, mechanism 6301.
 ribonucleoside-diphosphate reductase assay 2117.
 root, RNase, isolation/characterization 2806.
Vicia sativa,
 DNA, reassociation kinetics 2014.
Vigna unguiculata,
 leaf, cowpea chlorotic mottle virus-infected, RNA replicase properties 6186.
Vinblastine,
 stimulation-DNA biosynthesis, mechanism, chick-cell culture 1028.

Vinyl chloride,

alkylation-rat liver RNA, cytidine(3,N⁴-etheno) formation 4194.
 effect on DNA biosynthesis, rat 500.
1-Vinylpyrrolidone,
 copolymerization-uracil (1-vinyl)/adenine (1-vinyl) 5422.
Viomycin,
 effect on *Escherichia coli* ribosome conformation 5632.
 effect on ribosomal subunit association/dissociation, *Escherichia coli* /*Mycobacterium smegmatis* 5627.
 inhibition-tRNA Phe ribosome translocation, *Escherichia coli* 1906.
Virginiamycin S,
 binding-*Escherichia coli* ribosome 5631.
Virus,
 biochemistry, book review 4661.
 endogenous, chick embryo, RNA transcription 1932.
 infectious, rescue-SV40 DNA fragment containing monkey cell 3603.
Penicillium chrysogenum, RNA terminal structure 257.
 plant, RNA, purification, electrophoresis 5663.
 plant, structure 2261.
 single-stranded RNA-containing, structure/function, review 4680.
Virus-like particle,
 double-stranded RNA, characterization, *Saccharomyces cerevisiae* 4825.
Gaumannomyces graminis, RNA characterization 4841.
Helminthosporium victoriae, RNA, characterization 4833.
Visna virus,
 RNA biosynthesis 830.
Vitamin B₁₂,
 deficient, *Euglena gracilis*, effect on DNA 5051.
Vitellogenin,
 biosynthesis/mRNA accumulation, chicken liver, effect of 17 β -oestradiol stimulation 3468.
 gene expression, chicken liver nucleus, in vitro 4310.
 mRNA, *Xenopus laevis*, purification/characterization 810.
 mRNA, induction-17 β -oestradiol, rooster liver 3078.
 mRNA, induction-oestrogen kinetics, cockerel 2647.
 mRNA, isolation-chicken liver, use-diethylpyrocabonate 3034.
 mRNA, rooster, effect of oestrogen 2603.
 mRNA, *Xenopus*, complementary DNA biosynthesis, 3'-terminal/internal initiation site 4846.
 mRNA, *Xenopus laevis*, induction-oestrogen, kinetics, measurement-complementary DNA hybridization 1393.
Water,
 interaction-adenine/guanine/cytosine/thymine, potential 1260.
Werner's syndrome,
 fibroblast, UV-irradiation-induced DNA repair synthesis 4496.
Western equine encephalitis virus,
 infection, mouse, protection-rice dwarf virus RNA administration 324.
Whale,
 heavy DNA component, localization-rRNA gene 1563.
 satellite DNA, conservation/chromosome localization 2735.
Wheat,
 DNA, cytosine(5-methyl) content, during ontogenesis 1054.
 DNA, methylated sequence content, effect of germination 5971.
 embryo, DNA/RNA/protein biosynthesis, effect of

Wheat.(continued)

hydration/dehydration 5154.
 embryo, polyribosome, occurrence-poly (A)-protein complex 4239.
 embryo, tRNA, interaction-tmethylase, formation-N²-dimethylguanylate 1328.
 embryo, RNA polymerase III, purification/characterization 1699.
 nuclear DNA, characterization-inverted repeat sequence 4470.
 ribosome, RNA/protein distribution/packaging 759.
 root, purification/characterization-nuclease 524.
 seedling, rRNA biosynthesis during vernalization 3095.
 winter, embryo, RNA biosynthesis during germination/vernalization 866.

Wheat embryo,

capped RNA, 5'-terminal sequence, characterization 5720.
 DNA/RNA content/polyribosome formation during germination/vernalization 5823.
 dry, occurrence-free poly(A) 144.
 mRNA accumulation, association-protein biosynthesis during imbibition 5800.
 mRNA/tRNA 3'-terminal wheat embryo metabolism, during imbibition 3847.
 rRNA 5S, conformation study, use-nuclease S1 4306.

Wheat germ,

<:t RNA(methionyl) synthetase, isolation/characterization 180.
 cell-free system, peptide chain initiation, effect of abrin 228.
 cell-free system, protein biosynthesis, misreading, stimulation-antibiotic 3409.
 DNA, methylation/renaturation kinetics 5972.
 poly (A)-containing RNA, characterization 5718.
 protein, inhibition-protein biosynthesis, Ehrlich ascites cell 194.
 tRNA (aminoacyl), codon recognition 178.
 tRNA (leucyl) synthetase/tRNA (arginyl) synthetase, characterization 5584.
 tRNA, thymidine (ribo)-lacking, isolation/characterization 4752.
 rRNA 18S primary structure, comparison-*Bombyx mori* /*Dictyostelium discoideum* /mouse 4296.
 translation control-protein kinase 1914.
WI-38 cell,
 DNA biosynthesis initiation, inhibition-colchicine 1632.
Wild cucumber mosaic virus,
 detection-coat protein mRNA 5654.
Winca rosea,
 crown gall tumour, DNA polymerase activity 2466.
Wybutine,
 yeast tRNA Phe, replacement-hydrazine, effect on conformation 4199.

X-ray crystallography,

adeninium sulphate 5405.
 adenosine(N⁶-(N- threonylcarbonyl))/adenosine(N⁶-(N-glycylcarbonyl)) 104.
 cytidyl(3',5'- guanosine-proflavine complex 154.
 cytidyl(5-iodo)(3'-5')guanosine-ethidium complex 708.
 cytosine(2- thio) picrate 55.
 formycin B hydrochloride 1281.
 guanosine (8-iodo)monohydrate structure 5465.
 IMP-copper complex 140.
 purine-urea complex 25.
 pyrimidine(2-hydrazino-4-hydroxy-6-methyl)-zinc complex

642.

uracil monohydrate-5-nitro-1(β -D-ribosyluronic acid) complex 5429.
 uridine(5-[N-(L- leucyl)amino]) 110.
 uridyl(5-iodo)(3'-5')adenosine-ethidium complex 707.

X-ray diffraction,

a- cytidine 109.
 adenine hydrobromide 5403.
 adenosine (8-(a-hydroxyisopropyl)-) 1837.
 adenosine-uracil (5-bromo) complex 5428.
 adeninium hemisulphate 5404.
 3-(9-adenyl)propionyltryptamine monohydrate 1817.
 CMP complex-cadmium ion/cobalt ion 5534.
 cytidine 2',3'-cyclophosphate 5533.
 cytosine (1-methyl) 1824.
 cytosine (3-methyl) 5419.
 cytosine (1-methyl) triiodide 5420.
 cytosine arabinoside complex-platinum 5469.
 DNA arrangement, phage P22/phage λ /phage T7 head 932.
 DNA organization, phage T4 head 5912.
Escherichia coli elongation factor Tu 777, 2599, 3418.
Escherichia coli ribosomal protein L11 4783.
 GMP-copper ion complex 5529.
 guanosine (2'-deoxy-6-thio) monohydrate 1838.
 magnesium ion/spermine binding-yeast tRNA Phe 2567.
 nucleoside polyphosphate-metal complex, model 5523.
 pig muscle adenylate kinase 571.
 pig muscle adenylate kinase, ATP/AMP binding site 572.
 poly (A) 1862.
 poly C (2'-O-methyl) structure 2970.
 protamine-DNA complex 3651.
 protamine-tRNA complex 2987.
 purine (2-methylthio-6-benzamido) complex-p-nitrophenol 5402.
 purine(6- furfurylamino) stereochemistry/hydrogen bonding 31.
 rat liver native chromatin 1204.
 ribonuclease S-3'-CMP/2'-CMP complex 1096.
 thymidine (6-aza) 5471.
 thymidine (5-hydroxy-5,6-dihydro) 5470.
 toyocamycin structure 5467.
 uracil(6->aza)-copper complex 64.
 uridine (5-amino) 5473.
 uridine (5-carbamoylmethyl)/uridine (5-carboxymethyl) structure 3725.
 uridine (3-deaza-4-deoxy) 1839.
 uridine (5-vinyl-2'-deoxy) 5476.
 uridine(3',5'-di-O- acetyl), low temperature 111.
 yeast tRNA Asp 2568.
 3-(9-adenyl)propionyltryptamine dihydrate 634.

X-ray scattering,

chromatin, DNA conformation 4074.
Escherichia coli ribosomal subunit 30S protein-deficient ribonucleoprotein 758.
 small-angle, *Escherichia coli* ribosomal protein S3/ ribosomal protein S4/ribosomal protein S7/ribosomal protein S20 3013.

Xanthene,

binding-*Saccharomyces cerevisiae* DNA 2316.

Xanthine,

6- sulphinyl derivative, synthesis 36.
 methylated, inhibition-poly (ADP-ribose) polymerase 4116.
Xanthine (3-Acetoxy),
 reduction, reaction mechanism 3333.
Xanthine dehydrogenase,
 p-benzoquinone reduction 3282.

Xanthine dehydrogenase, (continued)

turkey liver, effect of allopurinol/oxyipurinol 4597.

Xanthine oxidase,

p-benzoquinone reduction 3282.

characterization, *Lens esculenta* 2862.

inhibition-2-pyridylimidazoles 5296.

rat liver/milk, inhibition-*Alcaligenes aquamarinus*
adenine(2,8-dihydroxy) 658.**Xanthomonas badrii,**

site-specific endonuclease, purification/characterization 1693.

Xanthomonas holcicola,

endonuclease, purification/characterization 4546.

Xanthomonas papavericola,

endonuclease, purification/characterization 4546.

Xanthosine,

adsorption-mercury electrode 3724.

Xanthotoxin,UV irradiation-induced binding-phage λ DNA 2332.**XC cell,**

infected, herpes simplex virus 1 DNA biosynthesis 6009.

Xenopus,

development, histone pattern 4053.

erythrocyte, RNA biosynthesis during transcription
reactivation 821.oocyte, ?mRNA-directed mouse β -glucuronidase biosynthesis
339.

oocyte, stability human placental lactogen mRNA 1463.

oocyte, translation-calf lens crystallin mRNA 5796.

vitellogenin mRNA, complementary DNA biosynthesis, 3'-
terminal/internal initiation site 4846.**Xenopus borealis,**

mitochondrial DNA, mapping 2364.

Xenopus laevis,chromatin, nucleosome frequency, relationship-
transcriptional activity, electron microscopy 4065.

development, RNA biosynthesis, effect of temperature 5762.

DNA, isolation-rRNA gene 4947.

DNA, methylation pattern symmetry 3178.

DNA, pseudogene structure 967.

egg, cell-free system, formation-recombinant DNA 477.

egg cell, mRNA, assay 2244.

egg enzyme system, plasmid pXlr 11 DNA biosynthesis
3201.

embryo, nuclear protein analysis during development 5324.

globin gene-containing recombinant plasmid, construction
5196.

globin mRNA, characterization 4845.

globin mRNA, in vitro translation 4918.

histone H2B sequence, comparison-Crocodilus niloticus/
Gallus domesticus 2882.

histone peptide, detection method, use-fluorescamine 3660.

kidney cell, rRNA, uridine (pseudo) content 4299.

kidney cell, rRNA precursor metabolism 5729.

mitochondrial DNA, characterization 2732.

mitochondrial DNA, mapping 2364.

neurula cell, RNA transport 326.

oocyte, DNA transcription/translation following injection
5383.

oocyte, extract, effect of SV40 DNA 3593.

oocyte, gene expression 6125.

oocyte, histone mRNA, stabilization-3'-terminal poly(A)
4366.

oocyte, isolation/characterization-rRNA 5S gene DNA 968.

oocyte, nuclear protein, intracellular migration 2908.

oocyte, occurrence-adult/tadpole globin RNA sequence 235.

oocyte, protein biosynthesis, inhibition-AMP (cyclic)/
theophylline/papaverine 3002.oocyte, RNA-directed *Cyprinus carpio* proinsulin
biosynthesis 4917.

oocyte, tRNA Phe aminoacyl transfer 1339.

oocyte, RNA 5S transcription-cloned DNA 5S 4538.

oocyte, transcription-cloned tRNA Met gene fragment 3086.

oocyte, transcription-translation, SV40 DNA 1653.

oocyte, translation-mouse interferon mRNA 4919.

oocyte, translation-*Petroselinum hortense* mRNA 1965.oocyte/embryo, cellular localization-DNA polymerase
activity 1133.

ovary/somatic cell, RNA poly (A)-containing 4258.

rRNA biosynthesis, relationship-rRNA gene condensation,
during oogenesis 1443.

rRNA gene, methylation pattern 5959.

rRNA gene, methylation pattern determination, use-
restriction endonuclease 3177.

rRNA gene, transcription initiation site 2731.

rRNA gene arrangement 4459.

tRNA Met gene cloned fragment, sequence organization
5961.

rRNA 18S, 3'-terminal conformation 4302.

rRNA 5-8S gene mapping 5062.

tadpole, X-irradiation-treated, growth, effect of DNA 5159.

tadpole tail, poly (A)-containing RNA biosynthesis during
triiodothyronine regression 3092.

vitellogenin mRNA, purification/characterization 810.

vitellogenin mRNA, induction-oestrogen, kinetics,
measurement-complementary DNA hybridization 1393.**Xeroderma pigmentosum,**cell, repair-mitomycin C/UV-irradiation induced DNA lesion
2034.

defective DNA repair, review 4098.

DNA repair, effect of N-acetoxy-2-acetylaminofluorene 4498.

DNA repair, following X-irradiation/UV-irradiation 3214.

DNA repair, human 2759.

DNA repair, mechanism, review 1233.

DNA repair, review 2916.

fibroblast, DNA apurinic site-specific endonuclease,
characterization 5203.fibroblast, UV-irradiation-induced unscheduled DNA
biosynthesis 1051.human, DNA repair, relationship-UV-irradiation sensitivity
3959.

UV-irradiation-damaged DNA, repair 2035.

Xf virus,

DNA, packaging, comparison-Pf1 virus 1534.

Y base,

photophysical properties 34.

Yaba virus,

DNA biosynthesis, host cell nucleus 474.

Yeast,

<?r>RNA, conformation-water/organic solvent mixture, use-molecular weight determination 264.

.t. RNA Asp crystal, X-ray diffraction 166.

t>RNA(phenylalanyl), complex-*Escherichia coli* elongation factor Tu, RNase T1-digested, isolation/characterization 170.

.t. RNA Tyr, complex-hog pancreas <?t>RNA(tyrosyl) synthetase 182.

chromosome, supercoiled DNA, electron microscopy 620.
cytochrome c oxidase/ATPase mRNA, isolation/mapping 2626.

DNA, base composition 3547.

DNA polymerase I/DNA polymerase II, chemical properties 4575.

DNA repair synthesis, inhibition-glucose(2-deoxy) 3953.

identification-isoaccepting tRNA 2983.

imidazoleglycerolphosphate dehydratase gene, cloning/ expression-*Escherichia coli* 2798.

UV-irradiation-induced DNA repair, effect of caffeine 5107.
killer factor classification 4907.

mitochondrial DNA, degradation-UV-irradiation 4399.

mitochondrial DNA gene product, identification 3990.

mitochondrial tRNA, characterization-isoaccepting species 1879.

mutant, tRNA precursor accumulation 4756.

nucleoprotein, purification/catalytic activity 2483.

nucleotide identification, RNA biosynthesis intermediate 4162.

ribosomal protein, transcription unit 1078.

ribosomal subunit, assembly 3017.

ribosome, binding tRNA (N-acetylphenylalanyl), effect of hydrolase 4798.

RNA, effect of bisulphite, NMR 792.

RNA, effect on *Shigella flexneri* dysentery, mouse 3099.

tRNA (phenylalanyl) synthetase, aminoacylation-tRNA Phe, mechanism 4765.

tRNA (phenylalanyl) synthetase, substrate specificity 182.

tRNA (phenylalanyl) synthetase structure 1885.

tRNA, Raman spectra, comparison-tRNA Phe 5569.

tRNA (seryl) synthetase/tRNA (threonyl) synthetase/tRNA (valyl) synthetase/tRNA (isoleucyl) synthetase activity, role-3'-terminal 5586.

tRNA (threonyl) synthetase, aminoacylation-tRNA Thr 3'-terminal hydroxyl group 4767.

tRNA (threonyl) synthetase/tRNA (lysyl) synthetase/tRNA (arginyl) synthetase, ATP analogue substrate specificity 4210.

tRNA (valyl) synthetase, valylation-turnip yellow mosaic virus RNA 4273.

tRNA Arg, uridine(5-carboxymethyl), wobble position 4201.

tRNA Asp, X-ray diffraction 2568.

RNA biosynthesis regulation, effect of amino acid shift-up 1442.

tRNA Leu, translation-leucine codon, interferon-treated cell 1882.

tRNA Phe, anticodon region, conformation transition 4198.

tRNA Phe, binding-magnesium ion/spermine, X-ray diffraction 2567.

tRNA Phe, binding-manganese ion, ESR 1875.

tRNA Phe, binding-Sepharose, interaction-tRNA (aminoacyl) synthetase 5581.

tRNA Phe, codon-anticodon interaction 4797.

tRNA Phe, hexanucleotide conformation, role-nucleoside Y, NMR 3757.

tRNA Phe, interaction-tRNA (phenylalanyl) synthetase/*Escherichia coli* elongation factor Tu, effect of 3'-terminal spin-labelling 5577.

tRNA Phe, magnesium ion binding site 4200.

tRNA Phe, proton exchange rate, NMR 1332.

tRNA Phe, tRNA (phenylalanyl) synthetase recognition mechanism, effect of AMP (phenylalaninyl) 4764.

tRNA Phe, unfolding, effect of sodium 4202.

tRNA Phe conformation, effect of wybutine replacement-hydrazine 4199.

tRNA Phe gene, structure 2359.

RNA polymerase A, transcription specificity 1123.

RNA polymerase B, role-zinc 2462.

RNA polymerase I subunit, interaction-DNA/nucleotide 4014.

RNA polymerase III, transcription product analysis 6182.

tRNA Tyr/tRNA Phe, gene, intervening sequence.

transcription/processing 5563.

tRNA Val gene, 3'-terminal fragment, chemical/enzymatic synthesis 2551.

sporulation, DNA biosynthesis 5075.

storage, RNA/protein biosynthesis 4852.

tRNA, interaction-daunomycin 718.

tRNA Phe, structure, NMR 724.

tRNA(phenylalanyl)synthetase/tRNA(valyl)synthetase, purification technique 740.

tRNA Tyr conformation, ESR 725.

tyrosine insertion suppressor (SUP4-o), identification 1662.

Yersinia enterocolitica,

operon (lac)-carrying transposon Tn951, characterization 3160.

Yoshida ascites sarcoma,

bearing, rat, urine, cytidine(deoxy)/uridine(pseudo) excretion 2175.

cell, UV-irradiation, DNA dimer/formation/excision/strand growth 1510.

tRNA (pseudouridine) synthetase, activity 1886.

Zajdela hepatoma,

RNA biosynthesis, effect of oxidative phosphorylation block 1436.

Zea mays,

chloroplast DNA fragment, containing ribulosebiphosphate carboxylase subunit gene 2424.

DNA biosynthesis rate/duration 5998.

DNA biosynthesis/RNA biosynthesis/protein biosynthesis, effect of lindane 1638.

endosperm, tRNA, adaptation, zein biosynthesis 2995.

endosperm, zein mRNA, purification/translation 3062.

leaf, DNA/RNA release, effect of pressure 6084.

leaf, polyribosome content, effect of light/age/iron deficiency 5640.

male sterility, pollen abortion, role-mitochondrial DNA 5162.

meristem, nonhistone protein, characterization 5318.

mitochondrial/chloroplast DNA, heterogeneity 5072.

mitochondrial DNA, restriction endonuclease analysis 3187.

ovule, histochemical localization-DNA/RNA 1391.

rRNA gene content 1488.

root cap, DNA replication, duration 985.

root meristem, RNA metabolism 3458.

seedling, RNA polymerase I, purification/characterization 2459.

Zeatin (cis-ribosyl),

isolation/identification, *Corynebacterium fascians* tRNA
2932.

Zein,

mRNA, *Zea mays* endosperm, purification/translation 3062.

Zinc,

complex-pyrimidine(2- hydrazino -4-, hydroxy -6-
methyl), IR spectroscopy/NMR 52.

complex-pyrimidine(2-hydrazino-4-hydroxy-6-methyl), X-
ray crystallography 642.

dietary, rat, relationship-purine (6-mercapto) teratogenesis/
DNA metabolism 5430.

effect on protein/RNA content, *Triticum* 1453.

interaction-*Escherichia coli* tRNA 716.

occurrence-calf thymus deoxyribonucleoprotein 1754.

role-yeast RNA polymerase B 2462.

ternary complex-ATP + aromatic amino acid 5528.

uptake, rat, effect on RNase (alkaline) activity 3999.

Zymogen,

granule, rat pancreas, RNA/DNA content 888.

When you specialise in a certain area of plant research you may find it difficult to find one abstracts journal which thoroughly covers the literature from your botanical aspect.

Information Retrieval Ltd produces life science abstracts journals on 19 different subjects; so depending on your area of specialisation there is probably one abstracts journal which would cover the literature you need.

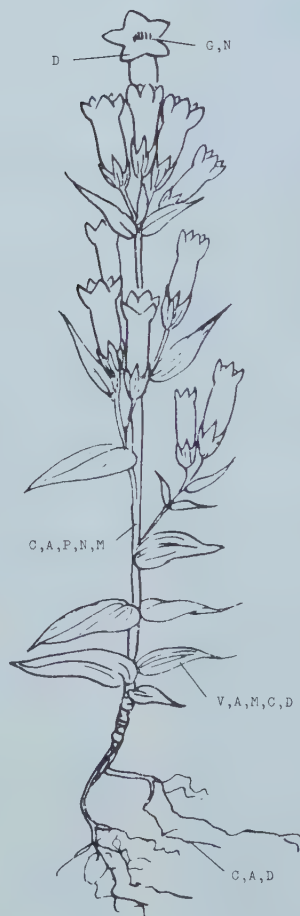
FOR INSTANCE...

A-Microbiology Abstracts, Section A: Industrial and Applied Microbiology includes studies on microbial products, diseases of plants and plant products, and soil microorganisms.

C-Microbiology Abstracts, Section C: Algology, Mycology & Protozoology covers all aspects of the algae, fungi, lichens and protozoa, such as investigations into morphology and ultrastructure, biochemical properties, life cycles, ecology, nutrition, genetics, disease, soil studies, and the harmful and useful effects of these microorganisms in the soil.

D-Applied Ecology Abstracts deals with the interactions between microbes, plants and animals and their environments. These interactions are primarily affected by climate, water resources, soil and man. Renewable resources and pure ecological topics are also included.

G-Genetics Abstracts covers publications on all aspects of molecular, viral, bacterial, fungal, algal, plant, animal and human genetics. The wide range of subject matter includes papers on the structure, properties and synthesis of DNA and RNA, the mechanisms of protein synthesis, ribosomes, nucleoproteins, enzyme induction and repression, mutagenesis and developmental genetics.



M-Biological Membrane Abstracts involves all aspects of transport across membranes, such as membrane structure and function, the regulation of transport, cell interaction and enzyme activity.

N-Nucleic Acids Abstracts covers every paper citing any physical, chemical or biological aspects of nucleic acids, nucleoproteins, nucleotides, nucleosides and related purines and pyrimidines. These include research on DNA and RNA involving isolation and purification techniques, chemical reactions, physical, chemical and biological properties, and biosynthesis affected by viral and chemical agents as well as the associated enzymes.

P-Amino-Acid, Peptide & Protein Abstracts contain abstracts of papers on the major aspects of amino-acid, peptide and protein chemistry, such as the use of isolation and purification techniques, structural analysis, peptide synthesis, chemical modification of proteins, their interaction with other molecules, theoretical studies on protein structure and the mechanisms of action of enzymes and hormones.

For more information on the publication which is most appropriate for your work, to keep you informed of the worldwide research in that area, send to:

Information Retrieval Ltd.,
1 Falconberg Court,
London W1V 5FG, UK or
Information Retrieval Inc.,
1911 Jefferson Davis Highway,
Arlington, Virginia 22202, USA.



Information Retrieval

Nucleic
Acids
Abstracts



3 8198 313 885 335
THE UNIVERSITY OF ILLINOIS AT CHICAGO

**THIS BOOK IS FOR USE
ONLY IN THE LIBRARY
IT DOES NOT CIRCULATE**

